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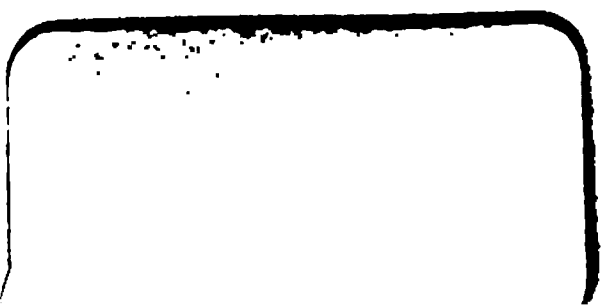
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SMITHSONIAN INSTITUTION.
UNITED STATES NATIONAL MUSEUM.

BULLETIN

OF THE

UNITED STATES NATIONAL MUSEUM.

No. 52.



ADVERTISEMENT.

This work (Bulletin No. 52) is one of a series of papers intended to illustrate the collections belonging to or placed under the charge of the Smithsonian Institution and deposited in the United States National Museum.

The publications of the National Museum consist of two series—the *Bulletin* and the *Proceedings*.

The *Bulletin*, publication of which was commenced in 1875, is a series of elaborate papers issued separately and based for the most part upon collections in the National Museum. They are monographic in scope and are devoted principally to the discussion of large zoological groups, bibliographies of eminent naturalists, reports of expeditions, etc. The bulletins, issued only as volumes with one exception, are of octavo size, although a quarto form, known as the Special Bulletin, has been adopted in a few instances in which a larger page was deemed indispensable.

The *Proceedings* (octavo), the first volume of which was issued in 1878, are intended primarily as a medium of publication for newly acquired facts in biology, anthropology, and geology, descriptions of new forms of animals and plants, discussions of nomenclature, etc. A volume of about 1,000 pages is issued annually for distribution to libraries, while a limited edition of each paper in the volume is printed and distributed in pamphlet form in advance.

In addition, there are printed each year in the second volume of the Smithsonian Report (known as the Report of the U. S. National Museum) papers, chiefly of an ethnological character, describing collections in the National Museum.

Papers intended for publication by the National Museum are usually referred to an advisory committee, composed as follows: Frederick W. True (chairman), William H. Holmes, George P. Merrill, James E. Benedict, Otis T. Mason, Leonhard Stejneger, Lester F. Ward, and Marcus Benjamin (editor).

S. P. LANGLEY,

Secretary of the Smithsonian Institution.

WASHINGTON, U. S. A., *December 1, 1902.*

A LIST
OF
NORTH AMERICAN LEPIDOPTERA
AND
KEY TO THE LITERATURE OF THIS
ORDER OF INSECTS.

BY
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ASSISTED BY

C. H. FERNALD, Ph. D., THE LATE REV. GEORGE D. HULST,
AND AUGUST BUSCK.

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P R E F A C E .

This work is intended to take the place of Smith's List of the Lepidoptera of Boreal America (1891), and to furnish a condensed catalogue of North American Lepidoptera comparable to Staudinger and Rebel's Catalogue of the Lepidoptera of Europe. Within a few years several of the larger families of the Lepidoptera have been fully catalogued, so that it seemed both unnecessary and inadvisable to repeat all of this matter. To avoid this, and yet make these references easily available, a catalogue reference is given at the head of each family, abbreviated "C," and it is specifically referred to by pages or numbers. The original reference to each species is, however, always repeated, except in the case of old synonyms. All specific synonyms are included, but where the reference is not given it will be found in the Catalogue referred to.

Within the last ten years the classification of the Lepidoptera has been radically altered. No exact consensus of opinion as to the proper sequence of families and genera has been reached, but the recent workers are so closely in accord as to the principles involved and the resultant general scheme that we seem to be somewhere near a natural classification. In the present list I have followed my own views, based largely on larval characters, in the arrangement of the family and superfamily groups. The system does not differ in general from that of Edward Meyrick, which has been adopted by the British Museum in the Catalogue of the Lepidoptera Phalænæ, though the order of groups is somewhat different. I have placed the butterflies first, since they seem on the whole "higher" than the moths, and this course agrees with the usual custom. I follow with the Sphingidæ and Saturnians for the same reasons, although, in venation, they are more generalized than some of the Noctuid groups. The list, as a whole, proceeds from higher to lower forms, as in Staudinger and Rebel's catalogue.

The butterflies follow in the main Dr. H. Skinner's recent catalogue as to species. I have restored the genera as worked out by Dr. S. H. Scudder. I have not been able to give the matter full study, so that some of the genera are doubtless not pure, while there are probably too many of them; but as they stand they seem more in harmony with generic

ideas, as understood in the rest of the order, than they have been in any other general list, and are at least an improvement on these. I have placed the Papilionidæ first, not because I regard them as higher than the Nymphalidæ—the reverse is the case—but because the studies of Prof. A. R. Grote seem to show that they can not be interpolated anywhere, having a very distinct phylogeny. The Sphingidæ are not radically altered from the arrangement given in Dr. J. B. Smith's paper on the group some years ago. The Saturnians follow the work of Mr. B. Neumoegen and myself. In the Bombycoidea I have followed Sir G. F. Hampson's Catalogue of the Lepidoptera Phalænæ as far as published. The Noctuidæ have been recently catalogued by Dr. Smith, and I have followed this catalogue with sundry changes, largely suggested by himself. Professor Grote has made some studies on the types of the Noctuid genera with the view of revising their nomenclature, but his results unfortunately did not reach me in time to be made full use of. Professor Grote also very kindly offered me his assistance in regard to other details in the Noctuidæ, which would have been of great value from his long experience with this family; but owing to the distance at which he lives I was unable to take advantage of the offer. The order of genera has, however, been changed to agree with Dr. Smith's present views. The manuscript of the Geometridæ was prepared by the late Dr. George D. Hulst, and was not entirely finished at his death. I have made almost no alterations in it, simply completing it on the lines laid down. It forms his last contribution to the study of this family. In the Tineoidea Dr. Hulst furnished manuscript for the subfamily Phycitinæ of the Pyralidæ, and Dr. C. H. Fernald for the remaining subfamilies of this group, together with the Pterophoridaæ and Tortricidæ. The references by these gentlemen have been given somewhat more fully than in some of the other families, but this has seemed advisable, because in some of these groups the latest catalogue is much out of date, and in others there exists no catalogue. Mr. August Busck has greatly assisted me in the arrangement and sequence of the Tineid groups proper, and he has prepared the Gelechiidæ from a full article on that family, which is now in press and will appear soon after this catalogue.

The species have been numbered in sequence, as in the latest American check list. With the marked changes in arrangement and additions, it has naturally been impossible to preserve any relation between these numbers and the old ones. A few decimal numbers have been used for species inserted after the manuscript was completed.

The habitats of the species are given in a general way. The term "Atlantic States" includes the Alleghanian, Carolinian, and Austro-riparian faunas of Dr. C. Hart Merriam's map (Bulletin No. 10, U. S. Department of Agriculture, Division of the Biological Survey, 1898). "No. U. S." refers to the Boreal and Transition zones of the Northern

States and Canada; "Pacific States" to these same zones in California, Oregon, Washington, and British Columbia. "U. S." refers to the whole of the United States and Canada.

The abbreviations of the names of publications are given in a more extended form than in Staudinger and Rebel's Catalogue, and it is expected that they will be self explanatory to those having a general knowledge of the literature. A list of works quoted has, however, been added. In the index the references to the genera are by pages, those of the species by numbers.

Species with an asterisk (*) preceding the serial number are not represented in the collections of the United States National Museum, and it is hoped that persons receiving this Bulletin will reciprocate by sending some of these missing species.

Finally, I would express my obligation to Mr. A. N. Caudell and to Miss Wellesca Pollock, who have kindly assisted me in the work of preparation.

HARRISON G. DYAR.

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OF NORTH AMERICAN LEPIDOPTERA AND
KEY TO THE LITERATURE OF THIS
ORDER OF INSECTS.

BY

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ASSISTED BY

VERNALD, PH. D., THE LATE REV. GEORGE D. HULST, AND AUGUST BUSCK.

Order LEPIDOPTERA.
Superfamily PAPILIONOIDEA.
Family PARNASSIIDAE.

(C. = SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 72-73.)

PARNASSIUS Latreille.

REILLE, *Somm. Buff.*, xiv, 110, 1805; SCUDDER, *Proc. Am. Ac. Arts & Sci.*, x, 241, 1875.

1. *elodius* MÉNÉTRIÉS, *Cat. Lép. Pét.*, i, 73, 1855; Mts. Pac.
SKINNER, C. no. 438. States.
syn. *baldur* EDWARDS, *clarius* BOISDUVAL.
a. *ménétriesii* HY. EDWARDS, *Proc. Cal. Acad. Sci.*,
vii, 164, 1878.
b. *altaurus* DYAR (Spots yellow instead of red). Wyo.
2. *smintheus* DOUBLEDAY & HEWITSON, *Gen. Diurn.* Mts. Pac.
Lep., pl. 4, 1847; SKINNER, C. no. 439. States,
syn. *sayii* EDWARDS. Rocky Mts.
a. *behrli* EDWARDS, *Trans. Am. Ent. Soc.*, iii, 10,
1870.
b. *hermodur* HY. EDWARDS, *Pap.*, i, 4, 1884.
c. *zarus* NEUMOEGEN, *Ent. Amer.*, vi, 61, 1890.
d. *sedakovii* MÉNÉTRIÉS, *Cat. Lép. Pét.*, i, 71, 1855.

- *3. **nomion** FISCHER, Ent. Russ., ii, 242, 1823; SKINNER, C. no. 440. Alaska.
4. **eversmanni** MÉNÉTRIES, Cat. Lép. Pét., i, 73, 1855; SKINNER, C. no. 441. Alaska, Siberia.
 syn. *wosnesenski* MÉNÉTRIES.
 a. thor HY. EDWARDS, Pap., i, 4, 1881; SKINNER, C. no. 441.

Family PAPILIONIDAE.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 73-78.)

IPHIDICLES Hübner.

HÜBNER, Verz. bek. Schmett., 82, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 197, 1875.

5. **ajax** LINNÆUS, Syst. Nat., 1, 750, 1758; SKINNER, C. no. 442. Atl. States.
 syn. *walshii* EDWARDS, *abbotti* EDWARDS.
 a. telamonides FELDER, Reise Novara, Lep., i, 60, 1865; SKINNER, C. no. 442.
 b. marcellus BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 2, 1833.
- *6. **sinon** FABRICIUS, Syst. Ent., 452, 1775; SKINNER, C. no. 443. Fla., Antilles.

PAPILIO Linnæus.

LINNÆUS, Syst. Nat., i, 76, 1758; SCUDDER, Proc. Am. Ac. Arts & Sci., x, 238, 1875.

7. **pilumnus** BOISDUVAL, Spec. Gén., i, 340, 1836; SKINNER, C. no. 461. Ariz., Mex.
8. **daunus** BOISDUVAL, Spec. Gén., i, 342, 1836; SKINNER, C. no. 460. Rocky Mts.
9. **eurymedon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 280, 1852; SKINNER, C. no. 458. Pac. States, Col.
 a. albanus FELDER, Reise Novara, Lep., i, 93, 1865.
10. **rutulus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 279, 1852; SKINNER, C. no. 459. Pac. States, Rocky Mts.
 a. arizonensis EDWARDS, Pap., iii, 4, 1883.
 b. ammoni BEHRENS, Can. Ent., xix, 199, 1887.
11. **glaucus** LINNÆUS, Mus. Ulr., 190, 1764; SKINNER, C. no. 457. Atl. States, Can., Alaska.
 a. turnus LINNÆUS, Mant. Plant., v, 36, 1771.
 syn. *alcidamus* CRAMER, *antilocheus* LINNÆUS, *fletcheri* KEMP, Ent. News, xi, 481, 1900.
 b. australis MAYNARD, Man. Butt., app., 215, 1891.

12. **palamedes** DRURY, Ill. Exot. Ent., i, 19, 1773; So. Atl.
SKINNER, C. no. 456. States.
syn. *calchas* FABRICIUS.
13. **troilus** LINNÆUS, Mus. Ulr., 187, 1764; SKINNER, Atl. States,
C. no. 455. N.-W. Terr.
syn. *ilioneus* SMITH & ABBOT.
a. texanus EHRMAN, Can. Ent., xxxii, 348, 1900.
b. radiatus STRECKER, Lep. Rhop. Het., suppl., 3,
17, 1900.
14. **thoas** LINNÆUS, Mant. Plant., 536, 1777; SKIN- Atl. States,
NER, C. no. 462. Ariz., Mex.
syn. *cresphontes* CRAMER, *oxilus* HÜBNER.
- *15. **cresphontinus** MARTYN, Psyche, iii, f. 8, 1797; Fla., Antilles,
SKINNER, C. no. 463. So. Am.
syn. *aristodemus* ESPER, *temenes* GODART, *daph-
nis* GRAY.
16. **machaon** LINNÆUS, Faun. Suec., 267, 1761; KIR- Eur.,
BY, Cat. Diurn. Lep., 565, 1871. Alaska,
a. aliaska SCUDDER, Proc. Bost. Soc. Nat. Hist., No. Pac.
xii, 45, 1869; SKINNER, C. no. 447. States.
17. **bairdii** EDWARDS, Proc. Ent. Soc. Phil., ii, 200, Pac. States,
1869; SKINNER, C. no. 448. Rocky Mts.
syn. *utahensis* STRECKER.
a. oregonia EDWARDS, Butt. N. A., ii, pl. 7, 1880.
b. brucei EDWARDS, Can. Ent., xxvii, 11, 1895.
c. hollandii EDWARDS, Can. Ent., xxv, 253, 1893.
18. **zolicaon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac. States,
281, 1852; SKINNER, C. no. 449. Rocky Mts.
syn. *zelicayn* LUCAS, *californica* MÉNÉTRIES.
19. **americus** KOLLAR, Denksch. Akad. Wiss. Wien., Ariz.,
Math., i, 354, 1850; SKINNER, C. no. 450. Mex.
syn. *sadalus* LUCAS.
20. **indra** REAKIRT, Proc. Ent. Soc. Phil., vi, 125, Cal.,
1866; SKINNER, C. no. 452. Rocky Mts.
syn. *pergamus* HY. EDWARDS.
a. nitra EDWARDS, Pap., iii, 162, 1883; SKINNER.
C. no. 451.
21. **brevicauda** SAUNDERS, Packard's Guide, 245, 1869; N.-E.
SKINNER, C. no. 453. Coast.
syn. *anticostiensis* STRECKER.

22. **polyxenes** FABRICIUS, Syst. Ent., 444, 1775; SKINNER, C. no. 454. U. S.

syn. *asterius* CRAMER.

a. calverleyii GROTE, Proc. Ent. Soc. Phil., ii, 441, 1864.

b. amplicata MÉNÉTRIÉS, Cat. Lép. Pét., ii, 99, 1857.

c. alunata SKINNER & AARON, Can. Ent., xxi, 127, 1889.

d. semialba EHRMAN, Can. Ent., xxxii, 348, 1900.

e. curvifascia SKINNER, Ent. News, xiii, 183, 1902.

LAERTIAS Hübner.

HÜBNER, Verz. bek. Schmett., 84, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 201, 1875.

23. **philenor** LINNÆUS, Mant. Plant., 535, 1771; SKINNER, C. no. 444. U. S.

syn. *astinours* DRURY.

a. obsoleta EHRMAN, Can. Ent., xxxii, 348, 1900.

b. wasmuthi WEEKS, Jn. N. Y. Ent. Soc., ix, 82, 1901.

ITHOBALUS Hübner.

HÜBNER, Verz. bek. Schmett., 88, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 198, 1875.

24. **acanda** OBERTHUR, Études d'Ent., iv, 98, 1880; SKINNER, C. no. 445. New Mex., Mex.

syn. *nezahualcoyotl* STRECKER, *corbis* GODMAN & SALVIN, *orsua* GODMAN & SALVIN.

25. **polydamas** LINNÆUS, Mus. Utr., 192, 1769; SKINNER, C. no. 446. Fla., Antilles.

Family PIERIDÆ.

(C. = SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 60-72.)

ARCHONIAS Hübner.

HÜBNER, Zutr. exot. Schmett., f. 461, 1825; KIRBY, Cat. Diurn. Lép., 429, 1872.

- *26. **lyceas** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 123, 1889; BARNES, Ent. News, x, 331, 1900. Ariz., Mex.

LEPTALIS Dalman.

DALMAN, Anal. Ent., 40, 1823; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 204, 1875.

27. **melite** LINNÆUS, Syst. Nat., 775, 1767; SKINNER, C. no. 376. Mex., New Mex.

NEOPHASIA Behr.

BEHR, Trans. Am. Ent. Soc., ii, 303, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 226, 1875.

28. **menapia** FELDER, Wien. ent. Mon., iii, 271, 1859; Pac. States,
SKINNER, C. no. 377. Col.

syn. *tau* SCUDDER, *ninomia* BOISDUVAL, *suffusa* STRETCH.

29. **terlooii** BEHR, Trans. Am. Ent. Soc., ii, 304, 1869. Ariz., Mex.

syn. *epyaxa* STRECKER, Lep. Rhop. Het., suppl., 38, 1900; SKINNER, Ent. News, xi, 533, 1900.

a. princetonia POLING, Can. Ent., xxxii, 358, 1900.

TACHYRIS Wallengren.

WALLENGREN, Trans. Ent. Soc. Lond., (3), iv, 361, 1867; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 274, 1875.

30. **margarita** HÜBNER, Zutr. exot. Schmett., ii, pl. 120, 1830; GODMAN & SALVIN, Biol. Cent. Am., Fla.,
Lep. Rhop., ii, 155, 1887. Tex.,
So. Am.

syn. *molpodia* HÜBNER, *ilaire* GODART, *mysis* GODART, *poeyi* BUTLER.

a. neumogenii SKINNER, Ent. News, v, 110, 1894; C. no. 379.

31. **amaryllis** FABRICIUS, Ent. Syst., (3), i, 189, 1797; Tex.,
SKINNER, C. no. 378. Mex.

syn. *josephina* GODART, GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 135, 1887.

PONTIA Fabricius.

FABRICIUS, Ill. Mag., vi, 283, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 255, 1875.

32. **monuste** LINNÆUS, Mus. Ulr., 237, 1764; SKIN- So. States,
NER, C. no. 380. So. Am.

syn. *cleones* BOISDUVAL & LE CONTE.

a. phileta FABRICIUS, Syst. Ent., 471, 1775.

33. **beckeri** EDWARDS, Butt. No. Am., i, 30, 1871; Pac. States,
SKINNER, C. no. 381. Col.

34. **sisymbri** BOISDUVAL, An. Soc. Ent. Fr., (2), x, 284, Col., Pac.
1854; SKINNER, C. no. 382. States.

35. **nelsoni** EDWARDS, Butt. No. Am., ii, pl. 1, Pieris, Alaska.
1883; SKINNER, C. no. 383.

36. **occidentalis** REAKIRT, Proc. Ent. Soc. Phil., vi, Rocky
133, 1866; SKINNER, C. no. 384; COCKERELL, Mts.
Ent. News, xii, 18, 1901. to Pac.

a. calyce EDWARDS, Trans. Am. Ent. Soc., iii, 189, 1870.

37. **protodice** BOISDUVAL & LE CONTE, Lép. Am. Sep., 45, 1833; SKINNER, C. no. 385. U. S.
a. vernalis EDWARDS, Proc. Ent. Soc. Phil., ii, 501, 1864.
38. **napi** LINNÆUS, Faun. Suec., 271, 1766; SKINNER, C. no. 386. No. U. S., Cal., Eur.
a. bryoniæ OCHSENHEIMER, Eur. Schmett., i, 151, 1808.
b. hulda EDWARDS, Trans. Am. Ent. Soc., ii, 370, 1869.
c. venosa SCUDDER, Proc. Bost. Soc. Nat. Hist., viii, 182, 1861.
 syn. *flava* EDWARDS.
d. oleracea HARRIS, N. E. Farm., viii, 402, 1829.
e. borealis GROTE, Bull. Buff. Soc., i, 185, 1873.
f. frigida SCUDDER, Proc. Bost. Soc. Nat. Hist., viii, 181, 1861.
g. virginiensis EDWARDS, Trans. Am. Ent. Soc., iii, 13, 1870.
h. acadica EDWARDS, Pap., i, 87, 1881.
i. pallida SCUDDER, Proc. Bost. Soc. Nat. Hist., viii, 183, 1861.
 syn. *nasturtii* BOISDUVAL.
k. castoria REAKIRT, Proc. Acad. Nat. Sci. Phil., 31, 1866.
 syn. *resedæ* BOISDUVAL.
l. cruciferarum BOISDUVAL, Spec. Gén., i, 519, 1839.
 syn. *casta* KIRBY, *æstiva* HARRIS.
- *39. **ochsenheimeri** STAUDINGER, Stett. ent. Zeit., 199, 1886; SKINNER, C. no. 387. Asia, Alaska.
40. **rapæ** LINNÆUS, Syst. Nat., 468, 1758; SKINNER, C. no. 388. Eur., U. S.
 syn. *marginalis* SCUDDER, *greka* REAKIRT.
a. novangliae SCUDDER, Can. ent., iv, 79, 1872.
b. immaculata SKINNER & AARON, Can. Ent., xxi, 128, 1889.
c. manni MAYER, Stett. ent. Zeit., 151, 1851.

NATHALIS Boisduval.

BOISDUVAL, Spec. Gén., i, 587, 1836; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 224, 1875.

41. **iole** BOISDUVAL, Spec. Gén., i, 589, 1836; SKINNER, C. no. 389. So. U. S., Mex.
 syn. *irene* FITCH, *felicia* POEY, *luteolus* REAKIRT.

SYNCHLOE Hübner.

HÜBNER, Verz. bek. Schmett., 94, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 273, 1875; *Euchloe* HÜBNER, Verz. bek. Schmett., 94, 1816; *Midea* HERRICH-SCHAEFFER, Corr.-Blatt zool.-min. Ver. Reg., xxi, 105, 1867. (*Authecaris* -)
 div.

42. **creusa** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 7, 1847; SKINNER, C. no. 391. So. Cal.
43. **olympia** EDWARDS, Trans. Am. Ent. Soc., iii, 266, 1871; SKINNER, C. no. 392. Ariz.
a. rosa EDWARDS, Pap., ii, 45, 1882.
44. **ansonides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 286, 1852; SKINNER, C. no. 393. Pac. States, Col.
a. hyantis EDWARDS, Trans. Am. Ent. Soc., iii, 205, 1871.
b. coloradensis HY. EDWARDS, Pap., i, 50, 1881.
45. **lotta** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., x, 243, 1898. Rocky Mts.
46. **lanceolata** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 284, 1852; SKINNER, C. no. 390. Pac. States, Rocky Mts.
 syn. *edwardsii* BEHR.
47. **cethura** FELDER, Reise Novara, Lep., ii, 182, 1865; SKINNER, C. no. 394. Pac. States.
 syn. *cooperi* BEHR, *angelina* BOISDUVAL.
a. morrisoni EDWARDS, Pap., i, 143, 1881.
48. **genutia** FABRICIUS, Syst. Ent., iii, 193, 1793; SKINNER, C. no. 397. So. Atl. States.
 syn. *midea* HÜBNER.
49. **sara** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 385, 1852; SKINNER, C. no. 395. Pac. States, Rocky Mts.
 syn. *thoosa* SCUDDER, *flora* WRIGHT.
a. reakirtii EDWARDS, Trans. Am. Ent. Soc., ii, 369, 1869.
 syn. *stella* EDWARDS.
b. julia EDWARDS, Trans. Am. Ent. Soc., iv, 61, 1872.
- *50. **pima** EDWARDS, Can. Ent., xx, 158, 1888; SKINNER, C. no. 396. Ariz.

CALLIDRYAS Boisduval & Le Conte.

BOISDUVAL & LE CONTE, Lép. Am. Sept., 73, 1829; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 131, 1875. = (*Catopsilia*)
 Hon.

51. **philea** LINNÆUS, Syst. Nat., 764, 1776; SKINNER, C. no. 401. So. Miss. Val., So. Am.
 syn. *aricye* CRAMER, *melanippe* CRAMER.

52. **eubule** LINNÆUS, Syst. Nat., 743, 1766; SKINNER, C. no. 398. So. States,
Cal., So. Am.
syn. *sennae* LINNÆUS, *marcellina* CRAMER,
drya FABRICIUS, *yamana* REAKIRT.

APHRISSA Butler.

BUTLER, Lep. Exot., 155, 1873; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 116, 1875.

53. **statira** CRAMER, Pap. Exot., iii, pl. 120, f. C., Fla.,
1779; SKINNER, C. no. 399. So. Am.
syn. *neleis* BOISDUVAL, *boisduvalii* FELDER,
jada BUTLER, *floridensis* NEUMOEGEN, *fubia*
FABRICIUS, *evadne* GODART, *alcmeone* CRAMER.

PHŒBIS Hübner.

HÜBNER, Verz. bek. Schmett., 98, 1816; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 142, 1887; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 249, 1875.

54. **argante** FABRICIUS, Syst. Ent., 470, 1775; SKINNER, C. no. 403. Fla., Tex.,
So. Am.
syn. *cipris* CRAMER, *hersilia* CRAMER, *minuscule*
BUTLER, *pallideflava* GOEZE, *xanthia* SEPP,
larra FABRICIUS, *volcania* PERRY, *cnidia*
GODART.

55. **agarithe** BOISDUVAL, Spec. Gén., i, 625, 1836; So. Miss.
SKINNER, C. no. 402. Val., So. Am.
syn. *maxima* NEUMOEGEN.

GONEPTERYX Leach.

LEACH, Edinb. Enc., ix, 128, 1825; KIRBY, Cat. Diurn. Lep., 487, 1872.

56. **clorinde** GODART, Enc. Méth., ix, suppl., 813, Tex.,
1823; KIRBY, Cat. Diurn. Lep., 487, 1872; BARNES, So. Am.
Ent. News, x, 131, 1900.
syn. *swainsonia* SWAINSON, *mærula* HÜBNER,
godarti PERTY.

KRICOGONIA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., ii, 355, 1863; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 201, 1875.

57. **lyside** GODART, Enc. Méth., ix, 98, 1819; SKINNER, C. no. 404. Tex.,
Mex.
syn. *terissa* LUCAS.
a. lanice LINTNER, Pap., iv, 138, 1884; SKINNER,
C. no. 406.

58. **fantasia** BUTLER, Trans. Ent. Soc. Lond., 170, Tex.,
1871; SKINNER, C. no. 405. Mex.

59. **unicolor** GODMAN & SALVIN, Biol. Cent. Am., Lep. Tex.,
Rhop., ii, 151, 1889; SKINNER, C. no. 407. Mex.

ZERENE Hübner.

HÜBNER, Verz. bek. Schmett., 97, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 291, 1875. (*Taganostoma* Reak.)

60. **eurydice** BOISDUVAL, Ann. Soc. Ent. Fr., iii, 32, 1855; SKINNER, C. no. 408. Ariz., Cal., Oreg.

syn. *wosnesenski* MÉNÉTRIES, *lorquini* BOISDUVAL, *helena* REAKIRT.

a. **amorphæ** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 169, 1876; SKINNER, C. no. 408.

b. **bernardino** EDWARDS, Butt., iii, pl. 1, 1887.

61. **cæsonia** STOLL, Suppl. Cramer, Pap. Exot., pl. 41, fig. 2, 1790; SKINNER, C. no. 409. So. U. S., So. Am.

syn. *caroliniana* PETIVER.

a. **rosa** MCNEILL, Can. Ent., xxi, 45, 1889.

EURYMUS Swainson.

SWAINSON, Horsf. Cat. Lep. E. I. Mus., 129, 1829; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 175, 1875. (*Colias* Fabr.)

62. **meadii** EDWARDS, Trans. Am. Ent. Soc., iii, 267, 1871; SKINNER, C. no. 410. Rocky Mts.

a. **elis** STRECKER, Proc. Acad. Nat. Sci. Phil., 24, 1885; SKINNER, C. no. 411.

63. **hecla** LEFÈBRE, Ann. Soc. Ent. Fr., v, 383, 1836; SKINNER, C. no. 412. Arctic Am., Eur.

a. **glacialis** McLACHLAN, Jn. Linn. Soc. Lond., xiv, 108, 1878.

b. **hela** STRECKER, Bull. Brook. Ent. Soc., iii, 33, 1880.

c. **pallida** SKINNER & MENGEL, Proc. Acad. Nat. Sci. Phil., 156, 1892.

- *64. **boothii** CURTIS, Ross Nar. Second Voy. N.-W. Pass., app., 62, 1835; SKINNER, C. no. 413. Arctic Am.

a. **chione** CURTIS, Ross Nar. Second Voy., app., 62, 1835.

65. **eurytheme** BOISDUVAL, Ann. Soc. Ent. Fr., 286, 1852; SKINNER, C. no. 414. Rocky Mts., Pac. States.

syn. *amphidusa* BOISDUVAL, *californiana* MÉNÉTRIES, *keewaydin* EDWARDS, *intermedia* COCKERELL, *autumnalis* COCKERELL.

a. **ariadne** EDWARDS, Trans. Am. Ent. Soc., iii, 12, 1870.

b. **eriphyle** EDWARDS, Trans. Am. Ent. Soc., v, 202, 1876.

syn. *hagenii* EDWARDS.

c. **fumosa** STRECKER, Lep. Rhop. Het., suppl., 3, 19, 1900.

66. **philodice** GODART, Enc. Méth., ix, 100, 1819; SKINNER, C. no. 414. Atl.
States.
syn. palæno CRAMER, *europome* STEPHENS, *pallidice* SCUDDER, *virida* STRECKER, *miscidice* SCUDDER, *nigrina* STRECKER, Lep. Rhop. Het., suppl., 3, 19, 1900, *albinic* SKINNER, *melanic* SKINNER, Syn. Cat. N. A. Rhop., 68, 1898.
a. anthyale HÜBNER, Zutr. exot. Schmett., f. 307, 1823.
b. nigridice SCUDDER, Butt., ii, 1114, 1889.
c. luteitincta WOLCOTT, Can. Ent., xxv, 104, 1893.
67. **hartfordii** HY. EDWARDS, Pac. Coast Lep., No. 24, 9, 1877; SKINNER, C. no. 416. Cal.
syn. barbara HY. EDWARDS.
68. **occidentalis** SCUDDER, Proc. Bost. Soc. Nat. Hist., ix, 109, 1862; SKINNER, C. no. 417. Cal., B. C.,
Utah.
syn. chrysomelas HY. EDWARDS.
69. **christina** EDWARDS, Proc. Ent. Soc. Phil., ii, 79, 1863; SKINNER, C. no. 418. Rocky Mts.,
Brit. Am.
syn. astræa EDWARDS.
a. pallida LYMAN, Can. Ent., xix, 6, 1884.
70. **alexandra** EDWARDS, Proc. Ent. Soc. Phil., ii, 14, 1863; SKINNER, C. no. 419. Col., No.
Pac. States.
syn. alba STRECKER, *pallida* COCKERELL.
a. edwardsii BEHR in EDWARDS, Butt. N. A., i, 55, 1870.
b. emilia EDWARDS, Trans. Am. Ent. Soc., iii, 12, 1870.
71. **interior** SCUDDER, Proc. Bost. Soc. Nat. Hist., ix, 108, 1862; SKINNER, C. no. 420. No. Atl.
States.
syn. laurentina SCUDDER.
72. **scudderi** REAKIRT, Proc. Ent. Soc. Phil., iv, 217, 1865; SKINNER, C. no. 421. No. Rocky
Mts., No.
Pac. States.
a. flavotincta COCKERELL, Psyche, ix, 186, 1901.
73. **pelidne** BOISDUVAL, Icones, pl. 8, 1832; SKINNER, C. no. 422. Rocky
Mts.
syn. labradoriensis SCUDDER.
a. skinneri BARNES, Can. Ent., xxix, 39, 1897.
b. gigantea STRECKER, Lep. Rhop. Het., suppl., 19, 1900.
74. **palæno** LINNÆUS, Syst. Nat., 764, 1767; SKINNER, C. no. 423. Eur., Alaska.
Labrador.
syn. europomene ESPER, *philonomene* HÜBNER, *lapponica* STAUDINGER, *chippewa* EDWARDS, *helena* EDWARDS.
a. werdandi HERRICH-SCHAEFFER, Schm. Eur., f, 403, 1848.

75. **nastes** BOISDUVAL, Icones, pl. 8, 1832; SKINNER, C. no. 424. Arctic Am., Eur.
a. rossii GUENÉE, Ann. Soc. Ent. Fr., 199, 1864.
b. streckeri GRUMM-GRSHIMAILO, Hor. Ent. Soc. Ross., xxix, 290, 1895.
- *76. **moina** STRECKER, Bull. Brook. Ent. Soc., iii, 34, 1880; SKINNER, C. no. 425. Hudson Bay.
77. **behrii** EDWARDS, Proc. Ent. Soc. Phil., vi, 201, 1866; SKINNER, C. no. 426. Mts. Cal.

PYRISITA Butler.

BUTLER, Cist. Ent., i, 35, 1870; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 261, 1875.

79. **gundlachia** POEY, Hist. Nat. Cuba, i, 246, 1851; SKINNER, C. no. 427. Tex., Ariz., Mex.
80. **proterpia** FABRICIUS, Syst. Ent., 478, 1775; SKINNER, C. no. 428. Tex., Ariz., Mex.
81. **mexicana** BOISDUVAL, Spec. Gén., i, 653, 1836; SKINNER, C. no. 430. Miss. Val., Mex.
syn. damaris FELDER, *depuiseti* BOISDUVAL.
- *82. **boisduvaliana** FELDER, Reise Novara, ii, 200, 1865. Ariz., Mex.
syn. damaris SKINNER (not FELDER), C. no. 431;
ingrata FELDER, *gratiosa* REAKIRT.

EUREMA Hübner.

HÜBNER, Verz. bek. Schmett., 96, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 173, 1875.

83. **nicippe** CRAMER, Pap. Exot., iii, 210, 1782; SKINNER, C. no. 429. So. Atl. States, Ariz., Cal.
a. flava STRECKER, Cat. Lep., 84, 1878.
- *84. **westwoodi** BOISDUVAL, Spec. Gén., i, 666, 1836; SKINNER, C. no. 432. Tex., Mex.
syn. dina HÜBNER, *calceolaria* BUTLER & DRUCE.
85. **euterpe** MÉNÉTRIES, Bull. Mosc., 299, 1832; GODMAN & SALVIN, Biol. Cen. Am., Lep. Rhop., ii, 102, 1889. So. Atl. States, Mex.
syn. lisa BOISDUVAL, *clappii* MAYNARD.
a. alba STRECKER, Cat. Lep., 85, 1878; SKINNER, C. no. 433.
- *86. **linda** EDWARDS, Pap., iv, 53, 1884; SKINNER, C. no. 434. Mex.
87. **delia** CRAMER, Pap. Exot., pl. 273, f. A, 1782; SKINNER, C. no. 435. Gulf States.
syn. demoditas HÜBNER, *daria* GODART.

88. **jucunda** BOISDUVAL & LE CONTE, Lép Am. Sept., 52, 1833; SKINNER, C. no. 436. Gulf States, Mex.
 syn. *ebriola* POEY, *albina* POEY.
89. **gnatheme** BOISDUVAL, Spec. Gén., i, 680, 1836; KIRBY, Cat. Diurn. Lep., 445, 1872. Fla., Antilles.
a. blakei MAYNARD, Man. Butt., app., 216, 1891.

Family NYMPHALIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 3-33.)

COLÆNIS Hübner.

HÜBNER, Verz. bek. Schmett., 32, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 146, 1875.

90. **julia** FABRICIUS, Syst. Ent., 509, 1775; SKINNER, C. no. 7. Tex., Fla., Mex.
a. delila FABRICIUS, Syst. Ent., 510, 1775; SKINNER, C. no. 8.
 syn. *cillene* CRAMER.

AGRAULIS Boisduval & LeConte.

BOISDUVAL & LE CONTE, Lép. Am. Sept., 142, 1833; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.

91. **vanillæ** LINNÆUS, Syst. Nat., 482, 1758; SKINNER, C. no. 9. So. Atl. States, Cal., Mex.
 syn. *passifloræ* FABRICIUS.

EUPTOIETA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., 168, 1848; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 172, 1875.

92. **claudia** CRAMER, Pap. Exot., i, pl. 69, f. E, 1779; SKINNER, C. no. 10. Atl. States, Col., Cal.
 syn. *columbina* GODART, *daunus* HERBST.
93. **hegesia** CRAMER, Pap. Exot., iii, pl. 209, f. E, 1782; SKINNER, C. no. 11. Cal., Tex., So. Am.
 syn. *hortensis* BLANCHARD.

SEMNOPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., ii, 258, 1875; Butt. E. U. S., iii, 1798, 1889.

94. **diana** CRAMER, Pap. Exot., pl. 98, f. D, 1779; SKINNER, C. no. 12. So. Atl. States.

SPEYERIA Scudder.

SCUDDER, Syst. Rev., 23, 1872; Proc. Am. Acad. Arts & Sci., x, 269, 1875.

95. **idalia** DRURY, Ill. Exot. Ent., i, pl. 13, 1775; Atl.
SKINNER, C. no. 13. States.
syn. *astarte* FISCHER, *ashtaroth* FISCHER.

ARGYNNIS Fabricius.

FABRICIUS, Ill. Mag., vi, 263, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 118, 1875.

96. **nokomis** EDWARDS, Proc. Acad. Nat. Sci. Phil., Ariz.,
221, 1862; SKINNER, C. no. 14. Utah.
97. **nitocris** EDWARDS, Trans. Am. Ent. Soc., v, 15, Ariz.,
1874; SKINNER, C. no. 15. Nev.
a. cærulescens HOLLAND, Ent. News, xi, 332, 1900.
b. nigrocærulea COCKERELL, Ent. News, xi, 622, 1900.
98. **leto** BEHR, Proc. Cal. Acad. Sci., ii, 173, 1862; Pac. States,
SKINNER, C. no. 16. Col.
syn. *charlottii* BARNES, SKINNER, C. no. 18
99. **cybele** FABRICIUS, Syst. Ent., 516, 1775; SKINNER, Atl.
C. no. 17. States.
syn. *daphnis* CRAMER, *baal* STRECKER.
a. carpenterii EDWARDS, Trans. Am. Ent. Soc., v, 204, 1876.
100. **aphrodite** FABRICIUS, Mant. Ins., ii, 62, 1767; Atl. States,
SKINNER, C. no. 19. Rocky Mts
syn. *daphnis* MARTYN, *cypris* EDWARDS, *nausicaa* EDWARDS.
a. alcestis EDWARDS, Trans. Am. Ent. Soc., v, 289, 1876.
101. **lais** EDWARDS, Can. Ent., xv, 209, 1883; SKIN- Brit. Am.
NER, C. no. 21.
102. **atlantis** EDWARDS, Proc. Nat. Acad. Sci. Phil., 54, Atl.
1862; SKINNER, C. no. 22. States.
103. **hippolyta** EDWARDS, Can. Ent., xi, 81, 1879; SKIN- Oreg., Cal.
NER, C. no. 28.
a. oweni EDWARDS, Can. Ent., xxiv, 105, 1892; SKINNER, C. no. 23.
- *104. **cornelia** EDWARDS, Can. Ent., xxiv, 106, 1892; Col.
SKINNER, C. no. 24.
105. **electa** EDWARDS, Field & Forest, iii, 143, 1878; Rocky
SKINNER, C. no. 25. Mts.

106. **columbia** HY. EDWARDS, Pacific Coast Lep., no. 26, 1877; SKINNER, C. no. 26. Brit. Col.
107. **hesperis** EDWARDS, Proc. Ent. Soc. Phil., ii, 502, 1864; SKINNER, C. no. 27. Rocky Mts.
108. **bremnerii** EDWARDS, Trans. Am. Ent. Soc., iv, 63, 1872; SKINNER, C. no. 29. Pac. States.
109. **zerene** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 303, 1852; SKINNER, C. no. 30. Cal., Nev
syn. *hydaspe* BOISDUVAL.
110. **monticola** BEHR, Proc. Cal. Acad. Sci., ii, 175, 1862; SKINNER, C. no. 31. Pac. States.
a. purpurascens HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 170, 1876.
111. **rhodope** EDWARDS, Trans. Am. Ent. Soc., v, 13, 1874; SKINNER, C. no. 32. Brit. Am.
112. **behrensii** EDWARDS, Trans. Am. Ent. Soc., ii, 370, 1869; SKINNER, C. no. 33. Cal.
113. **halcyone** EDWARDS, Butt., i, 83, 1869; SKINNER, C. no. 34. Rocky Mts.
114. **platina** SKINNER, Can. Ent., xxix, 154, 1897; C. no. 36. Rocky Mts.
115. **coronis** BEHR, Proc. Cal. Acad. Sci., ii, 173, 1862; SKINNER, C. no. 37. Cal., Brit. Am.
syn. *juba* BOISDUVAL.
116. **callippe** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 302, 1852; SKINNER, C. no. 39. Cal.
117. **snyderi** SKINNER, Can. Ent., xxix, 154, 1897; C. no. 38. Utah, Idaho.
118. **nevadensis** EDWARDS, Trans. Am. Ent. Soc., iii, 14, 1870; SKINNER, C. no. 40. Rocky Mts.
a. meadii EDWARDS, Trans. Am. Ent. Soc., v, 69, 1872.
119. **edwardsii** REAKIRT, Proc. Ent. Soc. Phil., vi, 137, 1866; SKINNER, C. no. 41. Rocky Mts.
syn. *aglaia* EDWARDS.
- *120. **chitone** EDWARDS, Can. Ent., xi, 72, 1879; SKINNER, C. no. 35. Rocky Mts.
121. **liliana** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 170, 1876; SKINNER, C. no. 42. Cal., Utah.
a. baroni EDWARDS, Trans. Am. Ent. Soc., ix, 3, 1881.

122. **rupestris** BEHR, Proc. Cal. Acad. Sci., ii, 175
1862; SKINNER, C. no. 43. Cal.,
Utah.
syn. *irene* EDWARDS.
a. irene BOISDUVAL, Ann. Soc. Ent. Belg., xii,
59, 1869.
- *123. **laura** EDWARDS, Can. Ent., xi, 49, 1879; SKIN- Cal.,
NER, C. no. 49. Nev.
124. **semiramis** EDWARDS, Can. Ent., xviii, 61, 1886; Cal.
SKINNER, C. no. 46.
- *125. **inornata** EDWARDS, Trans. Am. Ent. Soc., iv, 64, Cal.,
1872; SKINNER, C. no. 47. Nev.
- *126. **atossa** EDWARDS, Butt. N. A., iii, pl. 8, Arg., Cal.
1890; SKINNER, C. no. 48.
127. **adiaste** BEHR, Proc. Cal. Acad. Sci., ii, 175, 1862; Cal.
SKINNER, C. no. 49.
syn. *adiante* BOISDUVAL.
128. **eurynome** EDWARDS, Trans. Am. Ent. Soc., iv, Rocky Mts.,
66, 1872; SKINNER, C. no. 55. Cal.
syn. *macaria* EDWARDS; SKINNER, C. no. 45;
SNYDER, Occ. Mem. Chic. Ent. Soc., i, 11,
1900.
a. erinna EDWARDS, Can. Ent., xv, 33, 1883.
b. bischoffi EDWARDS, Trans. Am. Ent. Soc., iii,
189, 1870; SKINNER, C. no. 53.
c. artonis EDWARDS, Trans. Am. Ent. Soc., ix, 2,
1881; SKINNER, C. no. 50.
d. clio EDWARDS, Trans. Am. Ent. Soc., v, 106,
1874; SKINNER, C. no. 51.
syn. *opis* EDWARDS; SKINNER, C. no. 52.
e. arge STRECKER, Cat. Lep., 114, 1878; SKINNER,
C. no. 54.
f. cunninghami OWEN, Ent. News, iv, 246, 1893.
129. **montivaga** BEHR, Proc. Cal. Acad. Sci., ii, 174, Cal.,
1862; SKINNER, C. no. 56. Nev.
130. **egleis** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 59, Cal.,
1869; SKINNER, C. no. 57. Nev.
syn. *mormonia* BOISDUVAL, *nenopsis* REAKIRT

BRENTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 30, 1816; SCRDDER, Proc. Am. Acad. Arts & Sci., x,
128, 1875.

131. **myrina** CRAMER, Pap. Exot., ii, pl. 189, f. B, 1779; No.
SKINNER, C. no. 58. U. S.
syn. *myrissa* GODART.

132. **pales** DENIS & SCHIFFERMÜLLER, Syst. Verz. Eur., Alaska.
Wien., 177, 1776; STAUDINGER & REBEL, Cat. Lep.
Eur., i, no. 210, 1901.
a. alaskensis HOLLAND, Ent. News, xi, 383, 1900.
- *133. **youngi** HOLLAND, Ent. News, xi, 283, 1900. Alaska.
134. **tricularis** HÜBNER, Samml. ex. Schmett., ii, 1824; Arctic Am.,
SKINNER, C. no. 59. Col.
syn. ossianus BOISDUVAL.
135. **helena** EDWARDS, Trans. Am. Ent. Soc., iii, 268, Rocky
1871; SKINNER, C. no. 60. Mts.
136. **montinus** SCUDDER, Proc. Ess. Ins., iii, 166, 1862; N. H.
SKINNER, C. no. 61.
137. **chariclea** SCHNEIDER, Neu. Mag., v, 588, 1794; Arctic
SKINNER, C. no. 62. Am.,
a. arctica ZETTERSTEDT, Ins. Lap., 899, 1828. Eur.
b. obscurata McLACHLAN, Jn. Linn. Soc., xiv, 110,
1878.
syn. butleri EDWARDS.
- c. boisduvalii* DUPONCHEL, Lep. Fr., suppl., 1, pl.
20, f. 4, 1832; SKINNER, C. no. 64.
138. **freiya** THUNBERG, Diss. Ent. Suec., ii, 34, 1791; Eur.,
SKINNER, C. no. 65. Col.
syn. freya HERRICH-SCHAEFFER, *lapponica* ES-
PER.
a. tarquinius CURTIS, Ross Nar. Second Voy. N.-W.
Pass., app., 68, 1835.
139. **polaris** BOISDUVAL, Ind. Méth., 15, 1829; SKIN- Arctic
NER, C. no. 67. Am.
140. **frigga** THUNBERG, Diss. Ent. Suec., ii, 33, 1791; Arctic
SKINNER, C. no. 68. Am.
a. saga KADEN, Stett. ent. Zeit., 350, 1861.
b. improba BUTLER, Ent. Mo. Mag., xiii, 206
1877; SKINNER, C. no. 66.
141. **bellona** FABRICIUS, Syst. Ent., 517, 1775; SKIN- Atl.
NER, C. no. 69. States.
syn. myrina MARTYN.
142. **epithore** BOISDUVAL, Ann. Soc. Ent. Belg., xii, Pac.
58, 1869; SKINNER, C. no. 70. States.
a. kreimhild STRECKER, Rept. Surv. Dept. Mo.,
RUFFNER, app., 1854, 1879.
- *143. **alberta** EDWARDS, Can. Ent., xxii, 113, 1890; Alberta.
SKINNER, C. no. 71.
- *144. **astarte** DOUBLEDAY & HEWITSON, Gen. Diurn. Alberta.
Lep., pl. 53, f. 5, 1848; SKINNER, C. no. 72.
syn. victoria EDWARDS.

APATURA Fabricius.

FABRICIUS, Ill. Mag., vi, 280, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 115, 1875.

145. *missippus* LINNÆUS, Mus. Ulr., 264, 1764; SKINNER, C. no. 160. Fla., Africa, India, etc.
syn. *discippus* FABRICIUS.

EUPHYDRYAS Scudder.

SCUDDER, Syst. Rev., 27, 1872; Proc. Am. Acad. Arts & Sci., x, 172, 1875.

146. *phaeton* DRURY, Ill. Exot. Ent., i, pl. 21, 1767; Atl. States.
SKINNER, C. no. 73.
syn. *phætana* HÜBNER, *phætoneta* GODART,
phædon HERRICH-SCHAEFFER, *superba*
STRECKER, *phæthus* HULST, *streckeri* ELLS-
WORTH, Ent. News, xiii, 104, 1902.

LEMONIAS Hübner.

HÜBNER, Tent., 1, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 203, 1875.

147. *cooperi* BEHR, Proc. Cal. Acad. Sci., iii, 90, 1863; Pac. States.
SKINNER, C. no. 74.
syn. *perdiccas* EDWARDS.
148. *chalcedon* DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 180, 1847; SKINNER, C. no. 75. Pac. States.
a. dwinellei HY. EDWARDS, Pap., i, 51, 1881.
b. fusimacula BARNES, Can. Ent., xxxii, 42, 1900.
c. mariana BARNES, Can. Ent., xxxii, 42, 1900.
149. *macglashani* RIVERS, Proc. Cal. Acad. Sci., (2), Cal.
i, 103, 1889; SKINNER, C. no. 76.
150. *colon* EDWARDS, Pap., i, 45, 1881; SKINNER, C. Wash.,
no. 77. Oreg.
151. *anicia* DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 179, 1848; SKINNER, C. no. 78. Rocky Mts.,
a. beani SKINNER, Can. Ent., xxix, 155, 1897. Pac. States.
b. brucei EDWARDS, Can. Ent., xx, 81, 1888.
151. 1. *maria* SKINNER, Can. Ent., xxxi, 12, 1899. Utah.
152. *nubigena* BEHR, Proc. Cal. Acad. Sci., iii, 91, Rocky
1863; SKINNER, C. no. 79. Mts.,
a. wheeleri HY. EDWARDS, Pap., i, 52, 1881. Cal.
syn. *capella* BARNES.
153. *gillettei* BARNES, Can. Ent., xxix, 40, 1897; SKIN- Wyo.
NER, C. no. 80.

154. **quino** BEHR, Proc. Cal. Acad. Sci., iii, 90, 1863; SKINNER, C. no. 81. Cal.
- *155. **angusta** EDWARDS, Can. Ent., xxii, 21, 1890; SKINNER, C. no. 82. Cal.
156. **baroni** HY. EDWARDS, Pap., i, 52, 1881; SKINNER, C. no. 83. Cal.
157. **rubicunda** HY. EDWARDS, Pap., i, 52, 1881; SKINNER, C. no. 84. Cal.
158. **taylori** EDWARDS, Can. Ent., xx, 82, 1888; SKINNER, C. no. 85. Brit. Col.
159. **editha** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 304, 1852; SKINNER, C. no. 86. Cal.
syn. *anicia* SCUDDER.
- *160. **helvia** SCUDDER, Proc. Bost. Soc. Nat. Hist., xii, 405, 1869; SKINNER, C. no. 87; HOLLAND, Ent. News, xi, 384, 1900. Alaska.
161. **sterope** EDWARDS, Trans. Am. Ent. Soc., iii, 190, 1870; SKINNER, C. no. 88. Oreg.
- *162. **acastus** EDWARDS, Trans. Am. Ent. Soc., v, 16, 1874; SKINNER, C. no. 89. Rocky Mts.
163. **neumoegeni** SKINNER, Ent. News, vi, 113, 1895; C. no. 90. Utah.
164. **palla** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 305, 1852; SKINNER, C. no. 91. Rocky Mts., Pac. States.
- *165. **whitneyi** BEHR, Proc. Cal. Acad. Sci., iii, 88, 1863; SKINNER, C. no. 92. Cal., Nev.
syn. *pola* BOISDUVAL.
166. **hoffmanni** BEHR, Proc. Cal. Acad. Sci., iii, 89, 1863; SKINNER, C. no. 93. Pac. States,
a. helcita BOISDUVAL, Ann. Soc. Ent. Belg., xii, 55, 1869. Rocky Mts.
167. **gabbii** BEHR, Proc. Cal. Acad. Sci., iii, 89, 1863; SKINNER, C. no. 94. Cal., Utah, Ariz.
syn. *sonoræ* BOISDUVAL.
- *168. **approximata** STRECKER, Lep. Rhop. Het., suppl. 3, 23, 1900. Tex.

CINCLIDIA Hübner.

HÜBNER, Verz. bek. Schmett., 29, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 142, 1875.

169. **harrisii** SCUDDER, Proc. Ess. Ins., iii, 167, 1862; SKINNER, C. no. 95. Atl. States.

170. **ulrica** EDWARDS, Can. Ent., ix, 189, 1877; SKINNER, C. no. 96 (as *elada* HEWITSON). Tex.
syn. *imitata* STRECKER.
171. **dymas** EDWARDS, Can. Ent., ix, 190, 1877; SKINNER, C. no. 97. Tex.
syn. *larunda* STRECKER.
172. **perse** EDWARDS, Pap., ii, 136, 1882; SKINNER, C. no. 98. Ariz.
173. **chara** EDWARDS, Can. Ent., xv, 209, 1883; SKINNER, C. no. 98. Ariz.
- *174. **albiplaga** AARON, Pap., iv, 175, 1884; SKINNER, C. no. 100. Tex.

THESSALIA Scudder.

SCUDDER, Bull. Buff. Soc., ii, 265, 1875.

175. **leanira** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 27, 1869; SKINNER, C. no. 101. Pac.
a. obsoleta HY. EDWARDS, Proc. Cal. Acad. Sci., States,
vii, 171, 1876. Rocky
Mts.
176. **wrightii** EDWARDS, Can. Ent., xviii, 64, 1886; Cal.
SKINNER, C. no. 102.
177. **alma** STRECKER, Lep. Rhop. Het., 135, 1877; Utah,
SKINNER, C. no. 103. Ariz.
178. **theona** MÉNÉTRIES, Cat. Mus. Pét., i, 86, 1855. Tex., Col.
syn. *fulvia* EDWARDS, Can. Ent., xi, 117, 1879;
SKINNER, C. no. 104.
178. 1. **cyneas** GODMAN & SALVIN, Biol. Cent. Am., Lep. Mex.,
Rhop., i, 191, 1882. Ariz.
179. **thekla** EDWARDS, Trans. Am. Ent. Soc., iii, 191, Cal. to
1870; SKINNER, C. no. 105. Tex.
180. **bollii** EDWARDS, Field & Forest, iii, 01, 1877; Tex.,
SKINNER, C. no. 106. Ariz.
181. **definita** AARON, Pap., iv, 176, 1884; SKINNER, C. Tex.
no. 107.

SCHÆNIS Hübner.

HÜBNER, Verz. bek. Schmett., 28, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
266, 1875.

182. **minuta** EDWARDS, Proc. Acad. Nat. Sci. Phil., Rocky
161, 1861; SKINNER, C. no. 108. Mts.
183. **arachne** EDWARDS, Trans. Am. Ent. Soc., ii, 372, Rocky
1869; SKINNER, C. no. 109. Mts.
184. **nympha** EDWARDS, Pap., iv, 53, 1884; SKINNER, Ariz.
C. no. 110.

CHARIDRYAS Scudder.

SCUDDER, Syst. Rev., 26, 1872; Proc. Am. Acad. Arts & Sci., x, 139, 1875.

185. **nycteis** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., 181, 1847; SKINNER, C. no. 111. Atl.
States.
 syn. *anone* SCUDDER, *harrisii* EDWARDS.
 a. drusius EDWARDS, Pap., iv, 57, 1884.
186. **ismeria** BOISDUVAL & LE CONTE, Lép. Am. Sept., 168, 1833; SKINNER, C. no. 112. Rocky
Mts.
 syn. *carlota* REAKIRT.

PHYCIODES Hübner.

HÜBNER, Verz. bek. Schmett., 29, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 249, 1875.

187. **vesta** EDWARDS, Trans. Am. Ent. Soc., ii, 371, 1869; SKINNER, C. no. 113. Tex.,
Mex.
 a. boucardi GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 194, 1882.
188. **phaon** EDWARDS, Proc. Ent. Soc. Phil., ii, 505, 1864; SKINNER, C. no. 114. Gulf
States.
189. **tharos** DRURY, Ill. Exot. Ent., i, 43, 1770; SKINNER, C. no. 115. Atl.
States.
 syn. *gorgone* HÜBNER, *morphea* GODART, *euclea* BERGSTRÆSSER, *marcia* EDWARDS, *packardii* SAUNDERS.
 a. morpheus FABRICIUS, Syst. Ent., 550, 1775.
 syn. *cocyta* CRAMER, *pharos* HARRIS.
190. **batesii** REAKIRT, Proc. Ent. Soc. Phil., v, 226, 1865; SKINNER, C. no. 116. Atl.
States.
191. **pratensis** BEHR, Proc. Cal. Acad. Sci., iii, 86, 1863; SKINNER, C. no. 117. Pac.
States.
 syn. *campestris* BEHR, *pulchella* BOISDUVAL.
 a. orseis EDWARDS, Trans. Am. Ent. Soc., iii, 206, 1871; SKINNER, C. no. 118.
192. **camillus** EDWARDS, Trans. Am. Ent. Soc., iii, 268, 1871; SKINNER, C. no. 119. Rocky
Mts.
 a. emissa EDWARDS, Trans. Am. Ent. Soc., iii, 269, 1871.
 b. pallida EDWARDS, Proc. Ent. Soc. Phil., ii, 505, 1864.
 c. mata REAKIRT, Proc. Ent. Soc. Phil., vi, 142, 1866.
193. **mylitta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 160, 1861; SKINNER, C. no. 120. Rocky Mts.,
Pac. States.
 syn. *collina* BEHR, *callina* BOISDUVAL, *cpula* BOISDUVAL.

194. **barnesi** SKINNER, Can. Ent., xxix, 155, 1897; Col.
C. no. 121.
195. **montana** BEHR, Proc. Cal. Acad. Sci., iii, 85, 1863; Cal., Nev.
SKINNER, C. no. 122.
syn. *orsa* BOISDUVAL, *pratensis* SCUDDER.
196. **picta** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, Rocky Mts.,
1865; SKINNER, C. no. 123. Tex.
syn. *canace* EDWARDS.

MICROTIA Bates.

BATES, Ent. Mo. Mag., i, 83, 1864.

196. 1. **elva** BATES, Ent. Mo. Mag., i, 83, 1864. Mex., Ariz.

ANTHANASSA Scudder.

SCUDDER, Bull. Buff. Soc., ii, 268, 1875.

197. **frisia** POEY, Cent. Lep. Cuba, 9, 1832; SKINNER, Fla.,
C. no. 124. Antilles.
syn. *gyges* HEWITSON.
198. **toxana** EDWARDS, Proc. Ent. Soc. Phil., ii, 81, Tex., Neb.,
1863; SKINNER, C. no. 125. Mex.
syn. *cincta* EDWARDS, *smendis* HEWITSON.
- *199. **tulcis** BATES, Ent. Mo. Mag., i, 82, 1864; SKIN- Ariz., Tex.,
NER, C. no. 126. Mex.
syn. *punctata* EDWARDS, *archesilea* FELDER.

CHLOSZYNE Butler.

BUTLER, Cist. Ent., i, 38, 1870; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 141, 1875.

200. **janais** DRURY, Ill. Exot. Ent., iii, pl. 17, f. 5, Tex., Nev.,
1782; SKINNER, C. no. 127. Mex.
201. **lacinia** GEYER, HÜBNER, Zutr. exot. Schmett., Tex., Ariz.,
f. 899, 1837; SKINNER, C. no. 128. Mex.
syn. *tellias* BATES, *quehtala* REAKIRT, *ardema*
REAKIRT, *paupera* FELDER, *mediatrix* FEL-
DER, *misera* FELDER, *pretoria* BOISDUVAL,
crocale EDWARDS, *adjutrix* SCUDDER.
a. adelina STAUDINGER, Verh. zool.-bot. Ges.
Wien, 102, 1875.
b. saundersii DOUBLEDAY & HEWITSON, Gen.
Diurn. Lep., i, 186, 1850.
- *202. **erodyle** BATES, Ent. Mo. Mag., i, 84, 1864; SKIN- Tex.,
NER, C. no. 129. Mex.

MESTRA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1826; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 217, 1875.

203. **amymone** MÉNÉTRIES, Cat. Mus. Pét., 123, 1857; Tex.,
SKINNER, C. no. 130. Mex.
- *204. **floridana** STRECKER, Lep. Rhop. Het., suppl. 3, Fla.
24, 1900.

POLYGONIA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 253, 1875.

205. **interrogationis** FABRICIUS, Ent. Syst., sup., 424, Atl.
1798; SKINNER, C. no. 131. States.
syn. *fabricii* EDWARDS.
a. umbrosa LINTNER, Trans. Am. Ent. Soc., ii,
313, 1869.
206. **comma** HARRIS, Ins. Inj. Veg., 221, 1842; SKIN- Atl.
NER, C. no. 132. States.
syn. *harrisii* EDWARDS.
a. dryas EDWARDS, Trans. Am. Ent. Soc., iii, 17,
1870.
207. **satyrus** EDWARDS, Trans. Am. Ent. Soc., ii, 374, Rocky
1869; SKINNER, C. no. 133. Mts.,
a. marsyas EDWARDS, Trans. Am. Ent. Soc., iii, Pac.
16, 1870. States.
- *208. **hylas** EDWARDS, Trans. Am. Ent. Soc., iv, 68, Col.
1872; SKINNER, C. no. 134.
209. **faunus** EDWARDS, Proc. Acad. Nat. Sci. Phil., No.
222, 1862; SKINNER, C. no. 136. U. S.
syn. *rusticus* EDWARDS; SKINNER, C. no. 135.
210. **silvius** EDWARDS, Trans. Am. Ent. Soc., v, 108, Cal.
1874; SKINNER, C. no. 137.
211. **zephyrus** EDWARDS, Trans. Am. Ent. Soc., iii, 16, Rocky Mts.,
1870; SKINNER, C. no. 138. Pac. States.
syn. *thiodamus* SCUDDER.
212. **gracilis** GROTE & ROBINSON, Ann. N. Y. Lyc. No.
Nat. Hist., viii, 432, 1867; SKINNER, C. no. 139. U. S.
syn. *c-argenteum* SCUDDER.
- *213. **oreas** EDWARDS, Trans. Am. Ent. Soc., ii, 373, Pac.
1869. States.
a. silenus EDWARDS, Trans. Am. Ent. Soc., iii, 15,
1870; SKINNER, C. no. 140

214. **progne** CRAMER, Pap. Exot., i, pl. 15, f. E, 1775; Atl. States,
SKINNER, C. no. 141. Pac. N.-W.
syn. *argenteum* KIRBY, *grogne* FABRICIUS.
a. l-argenteum SCUDDER, Bull. Buff. Soc., ii, 253,
1875.

EUGONIA Hübner. *1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900*

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
170, 1875.

215. **j-album** BOISDUVAL & LE CONTE, Lép. Am. Sept., Atl.
185, 1833; SKINNER, C. no. 142. States.
syn. *auriomarginata* COCKERELL.

216. **californica** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac. States,
306, 1852; SKINNER, C. no. 144. Col.

EUVANESSA Scudder.

SCUDDER, Butt. E. U. S. & Can., i, 387, 1889.

217. **antiopa** LINNÆUS, Syst. Nat., 476, 1758; SKIN- U. S.,
NER, C. no. 143. Eur.
syn. *pompadour* POLLICH, *morio* LINNÆUS, *ob-*
scura COCKERELL, *hippolyta* LYMAN, *grandis*
EHRMAN, Can. Ent., xxxii, 348, 1900.
a. hygiæa HEYDENREICH, Verz. eur. Schmett.,
7, 1851.
syn. *lintnerii* FITCH.

AGLAIS Dalman.

DALMAN, Vetensk. Akad. Handl., xxxvii, 56, 64, 1816; SCUDDER, Proc. Am. Acad.
Arts & Sci., x, 105, 1875.

218. **milberti** GODART, Encl. Méth., ix, 307, 1819; SKIN- U. S.
NER, C. no. 145.
syn. *furcillata* SAY.
a. subpallida COCKERELL, Ent., 185, 1889.

VANESSA Fabricius.

FABRICIUS, Ill. Mag., vi, 281, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 287, 1875.

219. **atalanta** LINNÆUS, Syst. Nat., 478, 1758; SKIN- U. S.,
NER, C. no. 146. Eur.
syn. *admiralis* RETZIUS.

220. **huntera** FABRICIUS, Syst. Ent., 499, 1775; SKIN- U. S.,
NER, C. no. 147. Mex.
syn. *belladonna* PETIVER, *virginiensis* DRURY,
iola CRAMER, *hunteri* HÜBNER
a. fulvia DODGE, Can. Ent., xxxii, 92, 1900.

221. *cardui* LINNÆUS, Syst. Nat., 475, 1758; SKINNER, C. no. 148. U. S., Eur.
Asia, etc.

syn. *carduelis* SEBA, *minor* COCKERELL, *elymi*
RAMBUR, *ate* STRECKER.

222. *carye* HÜBNER, Samml. ex. Schmett., i, 1806; Pac.
SKINNER, C. no. 149. States.

syn. *charie* BLANCHARD, *muelleri* LETCHER.

JUNONIA Hübner.

HÜBNER, Verz. bek. Schmett., 34, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
200, 1875.

223. *cœnia* HÜBNER, Samml. exot. Schmett., ii, 1825; So. Atl.
SKINNER, C. no. 150. States.

syn. *genovera* CRAMER, *orythia* SMITH & ABBOT,
larinia GODART.

ANARTIA Hübner.

HÜBNER, Verz. bek. Schmett., 33, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
111, 1875.

224. *jatrophæ* LINNÆUS, Mus. Lud. Ulr., 289, 1764; Fla.,
SKINNER, C. no. 152. So. Am.

VICTORINA Blanchard.

BLANCHARD, Hist. Ins., iii, 447, 1840; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 288,
1875.

225. *steneles* LINNÆUS, Syst. Nat., 465, 1758; SKIN- Fla.,
NER, C. no. 151. So. Am.

syn. *lavinia* FABRICIUS.

HYPANARTIA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1825; SCUDDER, Proc. Am. Acad. Arts & Sci.,
x, 193, 1875.

226. *lethe* FABRICIUS, Ent. Syst., iii, 80, 1793; SKIN- Tex.,
NER, C. no. 153. So. Am.

syn. *demonica* HÜBNER.

EUNICA Hübner

HÜBNER, Verz. bek. Schmett., 61, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 171,
1875.

227. *monima* CRAMER, Pap. Exot., iv, pl. 387, f. F, Tex., Fla.,
1782; SKINNER, C. no. 154. So. Am.

syn. *myrta* GODART, *modesta* BATES.

228. *tatila* HERRICH - SCHAEFFER, Samml. ausser. Fla.,
Schmett., f. 69, 1855; SKINNER, C. no. 155. Mex.

syn. *cærulea* GODMAN & SALVIN.

DIÆTHRIA Billberg.

BILLBERG, Enum. Ins., 78, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 269, 1875.

229. **clymena** CRAMER, Pap. Exot., i, pl. 24, f. E, 1775; Mex.
KIRBY, Cat. Diurn. Lep., 207, 1871.

AMPHICHLORA Felder.

FELDER, Neu. Lep., 19, 1861; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 109, 1875.

230. **fornax** HÜBNER, Samml. exot. Schmett., ii, 1824; Tex.,
KIRBY, Cat. Diurn. Lep., 207, 1871. Mex.

231. **feronia** LINNÆUS, Mus. Ulr., 283, 1764; KIRBY, Tex.,
Cat. Diurn. Lep., 215, 1871. Mex.

TIMETES Boisduval.

BOISDUVAL, Cuvier, Règ. An., ii, pl. 139, 1836; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 284, 1875.

232. **coresia** GODART, Enc. Méth., ix, 359, 1823; SKIN- Tex.,
NER, C. no. 156. Mex.

syn. *zerynthia* HÜBNER, *sylla* PERTY.

233. **chiron** FABRICIUS, Syst. Ent., 452, 1775; SKIN- Tex.,
NER, C. no. 159. Mex.

syn. *marius* CRAMER, *chironias* HÜBNER.

ATHENA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 123, 1875.

234. **peleus** SULZER, Abg. Gesch. Ins., pl. 13, f. 4, Fla.,
1776; SKINNER, C. no. 157. Mex.

syn. *pctreus* CRAMER, *tethys* FABRICIUS.

235. **eleucha** HÜBNER, Samml. exot. Schmett., ii, 1824; Tex., Fla.,
SKINNER, C. no. 158. Antilles.

syn. *pellenis* GODART.

BASILARCHIA Scudder.

SCUDDER, Syst. Rev., 8, 1872; Proc. Am. Acad. Arts & Sci., x, 126, 1875.

236. **astyanax** FABRICIUS, Syst. Ent., 447, 1775; SKIN- Atl. States,
NER, C. no. 161. Ariz.

syn. *ephestion* STOLL, *ursula* GODART.

a. **arizonensis** EDWARDS, Pap., ii, 22, 1882.

b. **cerulea** EHRMAN, Can. Ent., xxxii, 348, 1900.

237. **arthemis** DRURY, Ill. Exot. Ent., ii, pl. 10, f. 3, No. Atl.
1773; SKINNER, C. no. 162. States.

syn. *lamina* FABRICIUS.

a. **proserpina** EDWARDS, Proc. Ent. Soc. Phil., v, 148, 1865.

238. **weidemeyerii** EDWARDS, Proc. Acad. Nat. Sci. Phil., 162, 1861; SKINNER, C. no. 163. Rocky Mts.
a. sinefascia EDWARDS, Pap., ii, 22, 1882.
239. **archippus** CRAMER, Pap. Exot., i, pl. 16, f. A, 1779; SKINNER, C. no. 164. U. S.
 syn. *disippe* GODART.
a. pseudodorippus STRECKER, Cat. Lep., 143, 1878.
240. **floridensis** STRECKER, Cat. Lep., 143, 1878; SKINNER, C. no. 165. So. States.
 syn. *eros* EDWARDS.
241. **obsoleta** EDWARDS, Pap., ii, 22, 1882; SKINNER, C. no. 166. Utah, Ariz.
 syn. *hulstii* EDWARDS.
242. **lorquinii** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 301, 1852; SKINNER, C. no. 167. Pac. States.
a. eavesi HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 172, 1878.

LIMENITIS Fabricius.

FABRICIUS, Ill. Mag., vi, 281, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 206, 1875.

243. **bredowii** HÜBNER, Zutr. exot. Schmett., f. 825, 1837; SKINNER, C. no. 168. Pac. States.
 syn. *eulalia* DOUBLEDAY & HEWITSON.
a. californica BUTLER, Proc. Zool. Soc. Lond., 485, 1865.

CHLORIPPE Boisduval.

BOISDUVAL, in Doubleday List. Brit. Mus., 108, 1844; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 140, 1875.

244. **celtis** BOISDUVAL & LE CONTE, Lép. Am. Sept., 210, 1833; SKINNER, C. no. 169. So. Atl. States.
245. **antonia** EDWARDS, Field & Forest, iii, 103, 1877; SKINNER, C. no. 170. Rocky Mts.
a. montis EDWARDS, Pap., ii, 7, 1882.
246. **leilia** EDWARDS, Trans. Am. Ent. Soc., v, 103, 1874; SKINNER, C. no. 171. Ariz.
247. **alicia** EDWARDS, Butt. U. S., 135, 1868; SKINNER, C. no. 172. Gulf States.
248. **clyton** BOISDUVAL & LE CONTE, Lép. Am. Sept., 208, 1833; SKINNER, C. no. 173. Atl. States.
 syn. *ocellata* EDWARDS.
a. proserpina SCUDDER, Proc. Bost. Soc. Nat. Hist., xi, 401, 1868.

249. *flora* EDWARDS, Butt., ii, 1876; SKINNER, C. no. 174. Fla., Tex.
 *250. *coeles* LINTNER, Pap., iv, 141, 1884; SKINNER, C. Tex.
 no. 175.

SMYRNA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1826; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 269, 1875.

251. *karwinskii* HÜBNER, Samml. exot. Schmett., ii, Mex.,
 1826; KIRBY, Cat. Diurn. Lep., 266, 1871. Tex.

CCEA Hübner.

HÜBNER, Verz. bek. Schmett., 48, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 144, 1875.

- *252. *acheronta* FABRICIUS, Syst. Ent., 501, 1775; Mex.
 KIRBY, Cat. Diurn. Lep., 264, 1871.
 syn. *eodamus* CRAMER, *pherecydes* CRAMER.

HISTORIS Hübner.

HÜBNER, Verz. bek. Schmett., 35, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 192, 1875.

253. *odius* FABRICIUS, Syst. Ent., 457, 1775; KIRBY, Fla.,
 Cat. Diurn. Lep., 263, 1871. So. Am.
 syn. *orion* FABRICIUS, *danae* CRAMER.

ANÆA Hübner.

HÜBNER, Verz. bek. Schmett., 48, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 111, 1875.

254. *andria* SCUDDER, Bull. Buff. Soc., ii, 248, 1875; Miss.
 SKINNER, C. no. 176. Val.
 syn. *ops* DRUCE.
 255. *portia* FABRICIUS, Syst. Ent., 507, 1775; SKINNER, Fla.,
 C. no. 177. Antilles.
 *256. *morrisonii* EDWARDS, Pap., iii, 8, 1883; SKINNER, Ariz.
 C. no. 178.

Family AGAPETIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 31-41, 1898.)

CERCYONIS Speyer.

SPEYER, Bull. Buff. Soc., ii, 241, 1875; SCUDDER, Butt. E. U. S., i, 156, 1889.

257. *pegala* FABRICIUS, Syst. Ent., 494, 1775; SKIN- So. Atl.
 NER, C. no. 210. States.
 syn. *pegula* HERBST.

258. **alope** FABRICIUS, Ent. Syst., iii, 1, 229, 1793; SKINNER, C. no. 211. Atl. States.
a. texana EDWARDS, Can. Ent., xii, 23, 1880.
 syn. *incana* EDWARDS.
b. boopis BEHR, Proc. Cal. Acad. Sci., iii, 164, 1864.
c. nephele KIRBY, Faun. Bor. Am., iv, 297, 1837
 syn. *olympus* EDWARDS, *ariana* BOISDUVAL.
d. baroni EDWARDS, Can. Ent., xii, 91, 1880.
e. maritima EDWARDS, Can. Ent., xii, 23, 1880.
259. **wheeleri** EDWARDS, Trans. Am. Ent. Soc., iv, 343, 1873; SKINNER, C. no. 212. Cal., Ariz., Utah.
 syn. *hoffmani* STRECKER.
260. **gabbii** EDWARDS, Trans. Am. Ent. Soc., iii, 192, 1870; SKINNER, C. no. 213. Oreg., Utah.
261. **meadii** EDWARDS, Trans. Am. Ent. Soc., iv, 70, 1872; SKINNER, C. no. 214. Rocky Mts.
262. **paulus** EDWARDS, Can. Ent., xi, 50, 1879; SKINNER, C. no. 215. Cal., Nev.
263. **sylvestris** EDWARDS, Proc. Acad. Nat. Sci. Phil., 162, 1861; SKINNER, C. no. 216. Pac. States, Rocky Mts.
 syn. *phocus* EDWARDS.
a. charon EDWARDS, Trans. Am. Ent. Soc., iv, 69, 1870; SKINNER, C. no. 216.
- *264. **œtus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 63, 1869; SKINNER, C. no. 217. Cal.
- *265. **sthenele** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 308, 1852, SKINNER, C. no. 218. Cal.

GYROCHEILUS Butler.

BUTLER, Ann. Mag. Nat. Hist., (3), xx, 267, 1867; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 182, 1875.

266. **tritonia** EDWARDS, Trans. Am. Ent. Soc., v, 18, 1874; SKINNER, C. no. 207. Ariz., Mex.

EREBIA Dalman.

DALMAN, Vetensk. Acad. Handl., xxxvii, 58, 79, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 165, 1875.

267. **fasciata** BUTLER, Cat. Satyr. Brit. Mus., 92, 1868; SKINNER, C. no. 198. Arctic Am.
268. **discoidalis** KIRBY, Faun. Bor. Am., iv, 298, 1837; SKINNER, C. no. 199. Arctic Am.
269. **rossii** CURTIS, Ross Second Voy. N. W. Pass., app., 67, 1835; SKINNER, C. no. 200. Arctic Am.

270. **diss** THUNBERG, Diss. Ent. Ins. Suec., ii, 37, 1791; Arctic Am.
KIRBY, Cat. Diurn. Lep., 67, 1871.
a. mancinus DOUBLEDAY & HEWITSON, Gen.
 Diurn. Lep., 380, pl. 64, f. 2, 1851; SKINNER,
 C. no. 201.
271. **vidleri** ELWES, Trans. Ent. Soc. Lond., 195, 1898; Brit. Col.,
 SKINNER, C. no. 202. Wash.
272. **tyndarus** ESPER, Schmett. Eur., i, 2, pl. 67, f. 1, Col., N. M.,
 1781; KIRBY, Cat. Diurn. Lep., 63, 1871. Eur.
a. callias EDWARDS, Trans. Am. Ent. Soc., iii,
 274, 1871; SKINNER, C. no. 203.
273. **epipsodea** BUTLER, Cat. Satyr. Brit. Mus., 80, Rocky Mts.,
 1868; SKINNER, C. no. 204. Alaska.
 syn. *rhoda* EDWARDS.
a. brucei ELWES, Trans. Ent. Soc. Lond., 326,
 1889.
 syn. *sineocellata* SKINNER.
274. **sofia** STRECKER, Bull. Brook. Ent. Soc., iii, 35, Rocky Mts.,
 1880; SKINNER, C. no. 205. Alaska.
 syn. *ethela* EDWARDS.
a. alaskensis HOLLAND, Ent. News, xi, 387, 1900.
275. **magdalena** STRECKER, Bull. Brook. Ent. Soc., iii, Col.
 25, 1880; SKINNER, C. no. 206.
276. **youngi** HOLLAND, Ent. News, xi, 388, 1900. Alaska.

NEOMINOIS Scudder.

SCUDDER, Bull. Buff. Soc., ii, 241, 1875.

277. **ridingsii** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, Rocky
 1865; SKINNER, C. no. 208. Mts.
 syn. *stretchii* EDWARDS.
278. **dionysius** SCUDDER, Bull. U. S. Geol. Surv., Hay- Utah, Ariz.,
 den, iv, 254, 1878; SKINNER, C. no. 209. Col.
 syn. *ashtaroth* STRECKER.

COENONIMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 65, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 145, 1875; SKINNER, Trans. Am. Ent. Soc., xxvi, 299, 1900.

279. **californica** DOUBLEDAY & HEWITSON, Gen. Diurn. Pac.
 Lep., ii, 398, 1852; SKINNER, C. no. 189. States.
 syn. *galactinus* BOISDUVAL, *ceres* BUTLER,
eryngii HY. EDWARDS.
a. pulla HY. EDWARDS, Pap., i, 51, 1881.

NEONYMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 65, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 225, 1875.

296. **gemma** HÜBNER, Zutr. exot. Schmett., i, f. 4, 1818; SKINNER, C. no. 182. So. States.
syn. *cornelius* GODART.
297. **henshawii** EDWARDS, Trans. Am. Ent. Soc., v, 205, 1876; SKINNER, C. no. 183. Rocky Mts.
298. **phocion** FABRICIUS, Sp. Ins., ii, 138, 1781; SKINNER, C. no. 184. So. States.
syn. *areolatus* SMITH & ABBOT, *helcita* HÜBNER.

CISSIA Doubleday.

DOUBLEDAY, List Brit. Mus., app., 33, 1848; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 143, 1875.

299. **eurytus** FABRICIUS, Syst. Ent., 487, 1775; SKINNER, C. no. 185. Atl. States.
syn. *cymela* CRAMER, *eurytris* FABRICIUS.
300. **mittelli** FRENCH, Can. Ent., xxi, 25, 1889; SKINNER, C. no. 186. Atl. States.
301. **sosybius** FABRICIUS, Ent. Syst., iii, 1, 219, 1793; SKINNER, C. no. 187. Atl. States.
syn. *camerta* CRAMER.
302. **rubricata** EDWARDS, Trans. Am. Ent. Soc., iii, 212, 1872; SKINNER, C. no. 188. Tex., Ariz., Mex.

EPINEPHELE Hübner.

HÜBNER, Verz. bek. Schmett., 59, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 164, 1875.

303. **xicaque** REAKIRT, Proc. Acad. Nat. Sci. Phil., 336, 1866; KIRBY, Cat. Diurn. Lep., 78, 1872; BARNES, Ent. News, x, 330, 1900. Mex., Ariz.

Family HELICONIDÆ.

APOSTRAPHIA Hübner.

HÜBNER, Verz. bek. Schmett., 13, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 116, 1875.

304. **charithonia** LINNÆUS, Syst. Nat., ii, 757, 1767; SKINNER, C. no. 6. Fla., Antilles.

Family ITHOMIDÆ.

DIRCENNA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., pl. 17, 1847; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 157, 1875.

305. **klugii** HÜBNER, Zutr. exot. Schmett., f. 801, 1837: Mex.,
SKINNER, C. no. 5. Tex.

MECHANITIS Fabricius.

FABRICIUS, Ill. Mag., vi, 284, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 212, 1875.

- *306. **californica** REAKIRT, Proc. Ent. Soc. Phil., v, 223, So.
1865; SKINNER, C. no. 4. Cal.

DYNOTHEA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., 222, 1866; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 160, 1875.

307. **lycaste** FABRICIUS, Ent. Syst., iii, 1, 161, 1793; Cal.,
SKINNER, C. no. 3. Mex.
a. negreta REAKIRT, Proc. Ent. Soc. Phil., v, 223,
1865.

Family LYMNADIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 1-2, 1898.)

ANOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 16, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 113, 1875.

308. **plexippus** LINNÆUS, Syst. Nat., 471, 1758; SKIN- U. S.
NER, C. no. 1.

syn. *archippus* FABRICIUS, *crippus* CRAMER,
megalippe HÜBNER, *menippe* HÜBNER, *fumo-*
sus HULST, *pulchra* STRECKER, Lep. Rhop.
Het., suppl. 3, 21, 1900.

309. **berenice** CRAMER, Pap. Exot., iii, pl. 205, f. E, So.
1782; SKINNER, C. no. 2. States,
a. strigosa BATES, Ent. Mo. Mag., i, 32, 1864. So. Am.

LYCOREA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., 105, 1847; KIRBY, Cat. Diurn. Lep., 18, 1872.

310. **cleobæa** GODART, Enc. Méth., ix, 222, 1819; KIR- Fla.,
BY, Cat. Diurn. Lep., 18, 1872. So. Am.
a. atergatis DOUBLEDAY & HEWITSON, Gen. Diurn.
Lep., pl. 16, f. 1, 1847.
b. pales FELDER, Wien. ent. Mon., vi, 75, 1862.

Family LIBYTHEIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., p. 42, 1898.)

HYPATUS Hübner.

HÜBNER, Cat. Frank., 85, 1825; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 194, 1875.

311. **bachmani** KIRTLAND, Am. Journ. Sci., ii, 13, 336, 1852; SKINNER, C. no. 237. Atl. States.
312. **carinenta** CRAMER, Pap. Exot., ii, pl. 108, f. E, 1779; SKINNER, C. no. 238. Tex.
- α. larvata* STRECKER, Lep. Rhop. Het., 130, 1878.

Family RIODINIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 42-43, 1898.)

CHRYSOBIA Boisduval.

BOISDUVAL, Ann. Soc. Ent. Belg., xii, 52, 1869; SCUDDER, Bull. Buff. Soc., iii, 102, 1876.

313. **mormo** FELDER, Wien. ent. Mon., iii, 271, 1859; SKINNER, C. no. 239. S.-W. U. S.
syn. dumeti BEHR, *mormonia* BOISDUVAL.
314. **duryi** EDWARDS, Pap., ii, 47, 1882; SKINNER, C. no. 240. New Mex.
315. **cythera** EDWARDS, Trans. Am. Ent. Soc., iv, 345, 1873; SKINNER, C. no. 241. Ariz., Mex.
316. **virgulti** BEHR, Proc. Cal. Acad. Sci., iii, 178, 1865; SKINNER, C. no. 242. So. Cal.
syn. sonorensis FELDER.

POLYSTIGMA Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Het., i, 469, 1886.

317. **nais** EDWARDS, Trans. Am. Ent. Soc., v, 291, 1876; SKINNER, C. no. 243. Rocky Mts.
318. **palmerii** EDWARDS, Trans. Am. Ent. Soc., iii, 195, 1870; SKINNER, C. no. 244. Rocky Mts.

EMESIS Fabricius.

FABRICIUS, Ill. Mag., vi, 287, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 162, 1875.

319. **zela** BUTLER, Ann. Mag. Nat. Hist., iv, 364, 1870; SKINNER, C. no. 245. Ariz., Mex.
syn. ares EDWARDS.
- α. cleis* EDWARDS, Pap., ii, 137, 1882.

CALEPHELIS Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 310, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., 129, 1875.

320. **cænius** LINNÆUS, Syst. Nat., 1, 2, 796, 1767; So.
SKINNER, C. no. 246. States.
syn. *cerea* HÜBNER, *virginiensis* BOISDUVAL,
pumila BOISDUVAL & LE CONTE, *cereus*
DOUBLEDAY.
321. **borealis** GROTE & ROBINSON, Ann. N. Y. Lyc. Atl.
Nat. Hist., viii, 351, 1866; SKINNER, C. no. 247. States.
322. **australis** EDWARDS, Field & Forest, iii, 87, 1877; Tex.,
SKINNER, C. no. 248. Ariz.
syn. *guadeloupe* STRECKER.
- *323. **nemesis** EDWARDS, Trans. Am. Ent. Soc., iii, 212, So.
1871; SKINNER, C. no. 249. Cal.

CARIA Hübner.

HÜBNER, Zutr. exot. Schmett., 14, 1823; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 447, 1886.

324. **melicerta** SCHAUUS, Ent. Amer., vi, 18, 1890. Tex., Mex.

Family LYCÆNIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 43-60, 1898.)

EUMÆUS Hübner.

HÜBNER, Verz. bek. Schmett., 67, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 170, 1875.

325. **atala** POEY, Cent. Lep. Cuba, ii, 1832; SKINNER, Fla.,
C. no. 250. Cuba.
syn. *toxæa* Gray.
326. **minyas** HÜBNER, Samml. exot. Schmett., i, 1806; Tex.,
SKINNER, C. no. 251. Mex.
syn. *godartii* BOISDUVAL, *toxana* BOISDUVAL.

HABRODIAS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 113, 1876.

327. **grunus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 289, Cal.,
1852; SKINNER, C. no. 252. Nev.

HYPAUROTIS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 112, 1876.

328. **crysalus** EDWARDS, Trans. Am. Ent. Soc., iv, Cal.,
344, 1873; SKINNER, C. no. 253. Ariz., Utah.
a. citima HY. EDWARDS, Pap., i, 53, 1881.

ATLIDES Hübner.

HÜBNER, Verz. bek. Schmett., 80, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 124, 1875.

329. **halesus** CRAMER, Pap. Exot., ii, pl. 98, f. B, 1779; Gulf States
SKINNER, C. no. 254. to Cal.
syn. *dolichus* HÜBNER, *juanita* SCUDDER.

EUPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., iii, 112, 1876.

330. **m-album** BOISDUVAL & LE CONTE, Lép. Am. Sept., So. Atl.
86, 1833; SKINNER, C. no. 255. States, Mex.
syn. *psyche* BOISDUVAL & LE CONTE.
- *331. **telea** HEWITSON, Desc. Lyc., iv, no. 10, 1868; Fla.,
SKINNER, C. no. 256. Mex.
- *332. **martialis** HERRICH-SCHAEFFER, Corresp.-Blatt Fla.,
Regens., xviii, 164, 1864; SKINNER, C. no. 257. Cuba.
- *333. **hugon** GODART, Enc. Méth., ix, 640, 1843; SKIN- Fla.,
NER, C. no. 258. Antilles.
syn. *hugo* DOUBLEDAY & HEWITSON.
- *334. **jada** HEWITSON, Ill. Diurn. Lep., 87, 1870; SKIN- Ariz.,
NER, C. no. 259. Mex.

URANOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 107, 1876.

335. **melinus** HÜBNER, Zutr. exot. Schmett., f. 121, U. S.
1818; SKINNER, C. no. 263.
syn. *hyperici* BOISDUVAL & LE CONTE, *favonius*
BOISDUVAL & LE CONTE, *humuli* HARRIS, *pan*
HARRIS, *silenus* DOUBLEDAY, *pudica* HY. ED-
WARDS.

THECLA Fabricius.

FABRICIUS, Ill. Mag., vi, 286, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 279, 1875.

336. **favonius** SMITH & ABBOT, Lep. Ins. Ga., i, 27, Gulf
1797; SKINNER, C. no. 260. States.
337. **autolycus** EDWARDS, Trans. Am. Ent. Soc., iii, Tex.,
271, 1871; SKINNER, C. no. 261. Mo., Kans.
338. **alcestis** EDWARDS, Trans. Am. Ent. Soc., iii, 271, Tex.,
1871; SKINNER, C. no. 262. Ariz.
339. **acadica** EDWARDS, Proc. Acad. Nat. Sci. Phil., 55, No. States,
1862; SKINNER, C. no. 264. Nev., Ariz.
syn. *souhegan* WHITNEY.

340. **californica** EDWARDS, Proc. Acad. Nat. Sci. Phil., 233, 1862; SKINNER, C. no. 265. Pac. States.
syn. *borus* BOISDUVAL, *cygnus* EDWARDS.
- *341. **itys** EDWARDS, Pap., ii, 23, 1882; SKINNER, C. no. 266. Ariz.
- *342. **auretorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 288, 1852; SKINNER, C. no. 261. Cal.
343. **dryope** EDWARDS, Trans. Am. Ent. Soc., iii, 19, 1870; SKINNER, C. no. 268. Cal., Nev., Utah.
- *344. **sylvinus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 287, 1852; SKINNER, C. no. 269. Cal.
345. **edwardsii** SAUNDERS, Can. Ent., i, 99, 1869; SKINNER, C. no. 270. No. States.
syn. *fabricii* KIRBY.
- *346. **wittfeldii** EDWARDS, Can. Ent., xv, 136, 1883; SKINNER, C. no. 271. Fla.
347. **calanus** HÜBNER, Samml. exot. Schmett., i, 1824; SKINNER, C. no. 272. Atl. States, Rocky Mts.
syn. *falacer* GODART, *inornata* GROTE & ROBINSON.
a. lorata GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 323, 1868.
- *348. **ontario** EDWARDS, Trans. Am. Ent. Soc., ii, 209, 1868; SKINNER, C. no. 273. No. Atl. States.
349. **liparops** BOISDUVAL & LE CONTE, Léop. Am. Sept., 99, 1833; SKINNER, C. no. 274. No. Atl. States, Rocky Mts.
syn. *strigosa* HARRIS.
- *350. **putnami** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 143, 1876; SKINNER, C. no. 275. Utah.
- *351. **spadix** HY. EDWARDS, Pap., i, 53, 1881; SKINNER, C. no. 278. So. Cal.
- *352. **tetra** BEHR, Trans. Am. Ent. Soc., iii, 19, 1870; SKINNER, C. no. 277. Cal.
- *353. **chalcis** BEHR, Trans. Am. Ent. Soc., ii, 376, 1869; SKINNER, C. no. 278. Cal., Utah.
354. **sæpium** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 288, 1852; SKINNER, C. no. 279. Pac. States, Col.
a. fulvescens HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 172, 1876.
355. **nelsonii** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 43, 1869; SKINNER, C. no. 280. Cal., Col.
a. exoleta HY. EDWARDS, Pap., i, 53, 1881.
b. muirii HY. EDWARDS, Pap., i, 53, 1881.

356. **adenostomatis** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 144, 1876; SKINNER, C. no. 281. Cal.
- *357. **tacita** HY. EDWARDS, Pap., i, 54, 1881; SKINNER, C. no. 282. Cal.
358. **spinetorum** BOISDUVAL, in Hewitson, Ill. Diurn. Lep., 94, pl. 45, f. 198, 1867; SKINNER, C. no. 283. Pac. States.
syn. *ninus* EDWARDS.
359. **blenina** HEWITSON, Desc. Lyc., xii, 29, 1868; SKINNER, C. no. 284. Vanc., Ariz., Mex.
syn. *siva* EDWARDS.
- *360. **castalis** EDWARDS, Trans. Am. Ent. Soc., iii, 208, 1871; SKINNER, C. no. 285. Tex.
- *361. **ilavia** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vii, 254, 1899. Tex.
syn. *mirabelle* BARNES, Can. Ent., xxxii, 43, 1900.

MITOURA Scudder.

SCUDDER, Syst. Rev., 31, 1872; Proc. Am. Acad. Arts & Sci., x, 220, 1875.

362. **damon** CRAMER, Pap. Exot., iv, pl. 90, f. C, 1782; SKINNER, C. no. 286. Atl. States.
syn. *gryneus* HÜBNER, *damastus* GODART, *smilacis* BOISDUVAL & LE CONTE, *auburniana* HARRIS.
- a. discoidalis* SKINNER, Can. Ent., xxix, 156, 1897.
- *363. **simæthis** DRURY, Ill. Exot. Ent., i, pl. 1, f. 3, 1770; SKINNER, C. no. 287. Tex., Mex.
syn. *sarita* SKINNER, *lycus* HÜBNER.
364. **acis** DRURY, Ill. Exot. Ent., i, pl. 1, f. 3, 1773; SKINNER, C. no. 288. Fla., Antilles.
syn. *maris* FABRICIUS.

CALYCOPIIS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 108, 1876.

365. **cecrops** FABRICIUS, Ent. Syst., iii, 1, 270, 1793; SKINNER, C. no. 289. So. States.
syn. *paas* HÜBNER.

CALLICISTA Grote.

GROTE, Bull. Buff. Soc., iii, 107, 1876.

366. **columella** FABRICIUS, Ent. Syst., iii, 1, 282, 1793; SKINNER, C. no. 290. Atl. States, Mex.
syn. *eurytulus* HÜBNER, *modesta* MAYNARD, *ocellifera* GROTE, *istapa* REAKIRT, *salona* HEWITSON.

- *367. **clytie** EDWARDS, Field & Forest, iii, 88, 1877; SKINNER, C. no. 291. Tex., Ariz.
368. **leda** EDWARDS, Pap., ii, 23, 1882; SKINNER, C. no. 292. Ariz., Mex.
- *369. **ines** EDWARDS, Pap., ii, 25, 1882; SKINNER, C. no. 293. Ariz.

CALLIPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., iii, 106, 1876.

370. **behrii** EDWARDS, Trans. Am. Ent. Soc., iii, 18, 1870; SKINNER, C. no. 294. Rocky Mts., Pac. States.
syn. *kali* STRECKER.

INCISALIA Minot.

MINOT, Scudder, Syst. Rev., 31, 1872; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 196, 1875.

371. **augustus** KIRBY, Faun. Bor. Am., iv, 298, 1837; SKINNER, C. no. 295. No. Atl. States.
syn. *augustinus* WESTWOOD.
372. **iroides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 289, 1852; SKINNER, C. no. 296. Pac. States.
373. **fotis** STRECKER, Lep. Rhop. Het., 129, 1878; SKINNER, C. no. 297. Ariz.
374. **irus** GODART, Enc. Méth., ix, 674, 1823; SKINNER, C. no. 298. Atl. States.
a. arsace BOISDUVAL & LE CONTE, Lép. Am. Sept., 103, 1833.
375. **mossi** HY. EDWARDS, Pap., i, 54, 1881. Vanc. Is.
376. **henrici** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 774, 1867; SKINNER, C. no. 299. W. Va.
377. **eryphon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 290, 1852; SKINNER, C. no. 300. Cal., Col.
378. **niphon** HÜBNER, Zutr. exot. Schmett., f. 203, 1823; SKINNER, C. no. 301. Atl. States, Rocky Mts.

CALLOPHRYS Billberg.

BILLBERG, Enum. Ins., 80, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 132, 1875.

379. **affinis** EDWARDS, Proc. Acad. Nat. Sci. Phil., 223, 1862; SKINNER, C. no. 302. Utah.
380. **dumetorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 303. Rocky Mts., Cal.
syn. *viridis* EDWARDS.

381. **apama** EDWARDS, Pap., ii, 137, 1882; SKINNER, Ariz.
C. no. 304.

382. **sheridanii** EDWARDS, Field & Forest, iii, 48, 1877; Rocky
SKINNER, C. no. 305. Mts.

ERORA Scudder.

SCUDDER, Syst. Rev., 32, 1872; Proc. Am. Acad. Arts & Sci., x, 166, 1875.

383. **læta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 55, Mont.,
1862; SKINNER, C. no. 306. Col.
syn. *clothilde* EDWARDS.

STRYMON Hübner.

HÜBNER, Verz. bek. Schmett., 74, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
271, 1875.

384. **titus** FABRICIUS, Ent. Syst., iii, 297, 1793; SKIN- Atl.
NER, C. no. 307. States.
syn. *mopsus* HÜBNER.

FENISECA Grote.

GROTE, Trans. Am. Ent. Soc., ii, 308, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci.,
x, 177, 1875.

385. **tarquinius** FABRICIUS, Ent. Syst., iii, 319, 1793; Atl.
SKINNER, C. no. 308. States.
syn. *cratægi* BOISDUVAL & LE CONTE, *porsenna*
SCUDDER.

THARSALEA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 125, 1876.

386. **arota** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 293, Cal.
1852; SKINNER, C. no. 309.

387. **virginiensis** EDWARDS, Trans. Am. Ent. Soc., iii, Cal., Nev.,
21, 1870; SKINNER, C. no. 310. Col.

*388. **hermes** EDWARDS, Trans. Am. Ent. Soc., iii, 21, Cal.,
1870; SKINNER, C. no. 311. Nev.

GÆIDES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 126, 1876.

389. **xanthoides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
292, 1852; SKINNER, C. no. 312.

390. **dione** SCUDDER, Trans. Chic. Acad. Sci., i, 330, Miss.
1869; SKINNER, C. no. 313. Vall.

391. **editha** MEAD, Can. Ent., x, 198, 1878; SKINNER, Nev.
C. no. 314.

392. **gorgon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
292, 1852; SKINNER, C. no. 315.

CHRY SOPHANUS Hübner.

HÜBNER, Verz. bek. Schmett., 72, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 141, 1875.

393. **thoe** BOISDUVAL, Gray Griff. An. King., pl. 56, Atl. States,
f. 4, 1832; SKINNER, C. no. 316. Col.

EPIDEMIA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 127, 1876.

394. **mariposa** REAKIRT, Proc. Ent. Soc. Phil., vi, 149, Cal.,
1866; SKINNER, C. no. 317. Rocky Mts.

syn. *nivalis* BOISDUVAL.

395. **zerce** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 45, Cal.
1869; SKINNER, C. no. 318. Col.

△ syn. *ianthe* EDWARDS.

396. **helloides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Rocky Mts.,
291, 1852; SKINNER, C. no. 319. Cal.

syn. *castro* REAKIRT.

397. **dorcas** KIRBY, Faun. Bor. Am., iv, 299, 1837; Arctic
SKINNER, C. no. 321. Am.

a. **florus** EDWARDS, Can. Ent., xv, 210, 1883; SKIN-
NER, C. no. 320; DYAR, Proc. Wash. Acad. Sci.,
ii, 489, 1900.

398. **epixanthe** BOISDUVAL & LE CONTE, Lép. Am. Atl.
Sept., 127, 1833; SKINNER, C. no. 322. States.

HEODES Dalman.

DALMAN, Vet. Akad. Handl., xxxvii, 63, 91, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 187, 1875.

399. **hypophleas** BOISDUVAL, Ann. Soc. Ent. Fr., (2), Atl.
x, 291, 1852; SKINNER, C. no. 323. States.

syn. *phleas* BOISDUVAL & LE CONTE, *americana*
D'URBAN, *fasciata* STRECKER, *fulliolus*
HULST.

a. **fieldeni** McLACHLAN, Jn. Linn. Soc., xiv, 111,
1878.

CHALCERIA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 125, 1876.

400. **cupreus** EDWARDS, Trans. Am. Ent. Soc., iii, 20, Cal.,
1870; SKINNER, C. no. 324. Oreg.

401. **snowi** EDWARDS, Trans. Kans. Acad. Sci., vii, 69, Rocky
1881; SKINNER, C. no. 325. Mts.

- *402. **rubidus** EDWARDS, Proc. Ent. Soc. Phil., vi, 208, Rocky Mts.,
1866; SKINNER, C. no. 326. Oreg.

△ a. **sirius** EDWARDS, Trans. Am. Ent. Soc., iii, 270,
1871; SKINNER, C. no. 327.

SATYRIUM Scudder.

SCUDDER, Bull. Buff. Soc., iii, 106, 1876.

403. **fuliginosa** EDWARDS, Proc. Acad. Nat. Sci. Phil., 164, 1861; SKINNER, C. no. 328. Cal.,
Nev., Utah.
syn. *suasa* BOISDUVAL.

CUPIDO Schrank.

SCHRANK, Faun. Boica, ii, i, 153, 206, 1801; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 149, 1875.

404. **heteronea** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 298, 1852; SKINNER, C. no. 329. Cal.
to Col.
405. **clara** HY. EDWARDS, Pacific Coast Lep., no. 26. So.
1877; SKINNER, C. no. 330. Cal.
406. **lycea** EDWARDS, Proc. Ent. Soc. Phil., ii, 507, 1864; Rocky
SKINNER, C. no. 331. Mts.
syn. *arapahoe* REAKIRT.
407. **fulla** EDWARDS, Trans. Am. Ent. Soc., iii, 194, Pac.
1870; SKINNER, C. no. 332. States.
syn. *fuliginosa* STRECKER.
408. **icarioides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
297, 1852; SKINNER, C. no. 333.
syn. *pardalis* BEHR, *dædalus* BEHR, *crymus*
BOISDUVAL, *mintha* EDWARDS.
a. maricopa REAKIRT, Proc. Acad. Nat. Sci. Phil.,
245, 1866.
409. **sæpiolus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac. States,
297, 1852; SKINNER, C. no. 334. Rocky Mts.
syn. *æhaja* BEHR, *rufescens* BOISDUVAL.
- *410. **amica** EDWARDS, Proc. Ent. Soc. Phil., ii, 80, Brit.
1863; SKINNER, C. no. 335. Am.
syn. *orbitulus* SCUDDER.
411. **pembina** EDWARDS, Proc. Acad. Nat. Sci. Phil., Brit.
224, 1862; SKINNER, C. no. 336. Am.
412. **pheres** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, Pac.
1852; SKINNER, C. no. 337. States,
a. evius BOISDUVAL, Ann. Soc. Ent. Belg., xii, 49, Rocky
1869. Mts.
- *413. **phileros** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 50, Cal.,
1869; SKINNER, C. no. 338. Ariz.
syn. *helios* EDWARDS.
- *414. **ardea** EDWARDS, Trans. Am. Ent. Soc., iii, 209, Nev.
1871; SKINNER, C. no. 339.

*415. **kodiak** EDWARDS, Trans. Am. Ent. Soc., iii, 20, Alaska.
1870; SKINNER, C. no. 340.

*416. **mela** STRECKER, Lep. Rhop. Het., suppl. 3, 20, Col., B. C.
1900.

NOMIADES Hübner.

HÜBNER, Verz. bek. Schmett., 67, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
228, 1875.

417. **xerces** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 296, Cal.
1852; SKINNER, C. no. 341.

418. **antiacis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal., Nev.,
300, 1852; SKINNER, C. no. 342. Ariz.

syn. *polyphemus* BOISDUVAL, *orcus* EDWARDS.

a. behrii EDWARDS, Proc. Acad. Nat. Sci. Phil.,
224, 1862.

b. mertila EDWARDS, Proc. Ent. Soc. Phil., vi,
206, 1866.

419. **couperii** GROTE, Bull. Buff. Soc., i, 185, 1874; No.
SKINNER, C. no. 343. U. S.

syn. *pembina* STRECKER, *afra* EDWARDS.

420. **lygdamas** DOUBLEDAY, Entom., 209, 1842; SKIN- So. Atl.
NER, C. no. 344. States,

a. oro SCUDDER, Can. Ent., viii, 23, 1876. Col., Cal.,
N. Mex.

PHÆDROTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 115, 1876.

421. **sagittigera** FELDER, Reise Novara, Lep., ii, 281, Rocky Mts.,
1865; SKINNER, C. no. 345. Cal.

syn. *catalina* REAKIRT, *lorquini* BEHR, *rhæa*
BOISDUVAL, *viaca* EDWARDS, *daunia* ED-
WARDS.

*422. **speciosa** HY. EDWARDS, Proc. Cal. Acad. Sci., So.
vii, 173, 1876; SKINNER, C. no. 346. Cal.

PHILOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 116, 1876.

423. **sonorensis** FELDER, Reise Novara, Lep., ii, 281, So. Cal.,
1865; SKINNER, C. no. 347. Mex.

syn. *regia* BOISDUVAL.

AGRIADES Hübner.

HÜBNER, Verz. bek. Schmett., 68, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.

*424. **podarce** FELDER, Reise Novara, Lep., ii, 282, 1865; SKINNER, C. no. 348. Cal., Nev., Col.

syn. *tehama* REAKIRT, *cilla* BEHR, *nestor* BOISDUVAL, *orbitulus* STRECKER.

425. **aquilo** BOISDUVAL, Icon., 62, 1833; SKINNER, C. no. 349. Arctic Am.

syn. *franklinii* CURTIS.

426. **rustica** EDWARDS, Proc. Ent. Soc. Phil., iv, 203, 1865; SKINNER, C. no. 350. Col., Brit. Am.

RUSTICUS Hübner.

HÜBNER, Tent., i, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 264, 1875.

*427. **enoptes** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 298, 1852; SKINNER, C. no. 351. Pac. States.

428. **glaucón** EDWARDS, Trans. Am. Ent. Soc., iii, 210, 1871; SKINNER, C. no. 352. Col.

429. **battoides** BEHR, Proc. Cal. Acad. Sci., iii, 282, 1867; SKINNER, C. no. 353. Cal., Nev., Col.

430. **shasta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 224, 1862; SKINNER, C. no. 354. Pac. States. Rocky Mts.

syn. *zelmira* FELDER, *calchas* BEHR, *nirium* BOISDUVAL, *lupini* BEHR, *minehaha* SCUDDER.

431. **melissa** EDWARDS, Trans. Am. Ent. Soc., iv, 346, 1873; SKINNER, C. no. 355. Rocky Mts.

432. **scudderi** EDWARDS, Proc. Acad. Nat. Sci. Phil., 164, 1861; SKINNER, C. no. 356. Atl. States.

*433. **lotis** LINTNER, 30th Rept. N. Y. Sta. Mus., 169, 1879; SKINNER, C. no. 357. Cal.

434. **acmon** DOUBLEDAY & HEWISTON, Gen. Diurn. Lep., pl. 76, 1852; SKINNER, C. no. 358. Pac. States. Rocky Mts.

syn. *antægon* BOISDUVAL.

*435. **aster** EDWARDS, Can. Ent., xiv, 194, 1882; SKINNER, C. no. 359. Newfound-land.

436. **annetta** MEAD, Pap., ii, 48, 1882; SKINNER, C. no. 360. Utah.

437. **anna** EDWARDS, Proc. Acad. Nat. Sci. Phil., 163, 1861; SKINNER, C. no. 361. Pac. States. Col.

syn. *cajona* REAKIRT, *argyrotozus* BEHR, *philemon* BOISDUVAL.

- *438. **neurena** SKINNER, Ent. News, xiii, 15, 1902. Cal.
 *439. **chlorina** SKINNER, Ent. News, xiii, 15, 1902. Cal.

CYANIRIS Dalman.

DALMAN, Vetensk. Akad. Handl., xxxvii, 63, 94, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 150, 1875.

440. **ladon** CRAMER, Pap. Exot., pl. 270, f. D. 1782; U. S.
 BUTLER, Can. Ent., xxxii, 91, 1900.
 syn. *pseudargiolus* BOISDUVAL & LE CONTE,
 Lép. Am. Sept., 118, 1833; SKINNER, C. no.
 362, *argiolus* SMITH & ABBOT, *intermedia*
 STRECKER, *echo* EDWARDS, *nigra* EDWARDS.
a. lucia KIRBY, Faun. Bor. Am., iv, 299, 1837.
b. marginata EDWARDS, Pap., iii, 86, 1883.
c. violacea EDWARDS, Proc. Ent. Soc. Phil., vi,
 201, 1866.
d. cinerea EDWARDS, Pap., iii, 83, 1883.
e. arizonensis EDWARDS, Butt. E. U. S., ii, pl. 2.
 Lyc., f. 18, 1884.
f. neglecta EDWARDS, Proc. Acad. Nat. Sci. Phil.,
 56, 1862.
g. piasus BOISDUVAL, Ann. Soc. Ent. Fr., (2), x,
 299, 1852.
h. gozora BOISDUVAL, Lép. Guat., 17, 1870.

EVERES Hübner.

HÜBNER, Verz. bek. Schmett., 69, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 176, 1875.

441. **amyntula** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac.
 294, 1852; SKINNER, C. no. 363. States.
a. herrii GRINNELL, Can. Ent., xxxiii, 192, 1901.
 442. **comyntas** GODART, Enc. Méth., ix, 660, 1823; Atl. States.
 SKINNER, C. no. 364. Rocky Mts.
 *443. **monica** REAKIRT, Proc. Acad. Nat. Sci. Phil., 244, So.
 1866; SKINNER, C. no. 365. Cal.

HEMIARGUS Hübner.

HÜBNER, Verz. bek. Schmett., 69, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 186, 1875.

444. **isola** REAKIRT, Proc. Acad. Nat. Sci. Phil., 332, Rocky
 1866; SKINNER, C. no. 366. Mts.
 syn. *zachæina* BUTLER & DRUCE, *alce* EDWARDS.
 445. **gyas** EDWARDS, Trans. Am. Ent. Soc., iii, 210, Ariz.
 1871; SKINNER, C. no. 367.

- *446. **cyna** EDWARDS, Trans. Am. Ent. Soc., ix, 3, 1881; SKINNER, C. no. 368. Tex.
447. **hanno** STOLL, Pap. Exot., suppl., pl. 39, f. 2, 1790; SKINNER, C. no. 369. Gulf States.
- syn. *antibubastus* HÜBNER, *hamo* LUCAS, *pseudoptiletus* BOISDUVAL & LE CONTE, *astenidia* BOISDUVAL, *filenus* POEY.
448. **ammon** LUCAS, Sagra, Hist. Cuba, vi, 612, 1856; SKINNER, C. no. 372. Fla., Cuba.

BREPIDIUM Scudder.

SCUDDER, Bull. Buff. Soc., iii, 123, 1876.

449. **isophthalma** HERRICH-SCHAEFFER, Corr.-Blatt. zool.-min. Ver. Reg., xvi, 141, 1862; SKINNER, C. no. 370. Fla., Ga.
- syn. *pseudofea* MORRISON.
450. **exilis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 294, 1852; SKINNER, C. no. 371. S.-W. U. S., Col.
- syn. *fea* EDWARDS.

LEPTOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 124, 1876.

451. **marina** REAKIRT, Proc. Acad. Nat. Sci. Phil., 87, 1868; SKINNER, C. no. 373. S.-W. U. S.
452. **theonus** LUCAS, Sagra, Hist. Cuba, vii, 611, 1856; SKINNER, C. no. 374. Fla., Cuba.
- syn. *cassius* MORRISON.
- *453. **striata** EDWARDS, Field & Forest, iii, 86, 1877; SKINNER, C. no. 375. Tex., Wis.

Family MEGATHYMIIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., p. 99, 1898.)

MEGATHYMUS Scudder.

SCUDDER, Syst. Rev., 62, 1872; Proc. Am. Acad. Arts & Sci., x, 213, 1875.

454. **yuccæ** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 70, 1833; SKINNER, C. no. 643. So. States, Col., N. Mex.
- syn. *coloradensis* RILEY.
455. **cofaqui** STRECKER, Proc. Acad. Nat. Sci. Phil., 148, 1876; SKINNER, C. no. 644. So. States, Col.
456. **streckeri** SKINNER, Can. Ent., xxvii, 179, 1895; C. no. 645. Col., Tex., Ariz.

457. **neumoegenii** EDWARDS, Pap., ii, 27, 1882; SKINNER, C. no. 645 (bis). Ariz., Mex.

457. 1. **ursus** POLING, Ent. News, xiii, 97, 1902. Ariz.

Family HESPERIIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 79-99, 1898.)

PYRRHOPYGA Hübner.

HÜBNER, Verz. bek. Schmett., 103, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x 261, 1875.

458. **araxes** HEWITSON, Desc. Hesp., ii, 3, 1867; SKINNER, C. no. 642. Ariz., Mex.

AMBLYSCHIRTES Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 109, 1875.

459. **vialis** EDWARDS, Proc. Acad. Nat. Sci. Phil., 58, 1862; SKINNER, C. no. 565. No. U. S.

*460. **nysa** EDWARDS, Can. Ent., ix, 191, 1877; SKINNER, C. no. 566. Tex.
syn. *similis* STRECKER.

*461. **eos** EDWARDS, Trans. Am. Ent. Soc., iii, 276, 1871; SKINNER, C. no. 567. So. States.

*462. **celia** SKINNER, Ent. News, vi, 113, 1895; C. no. 568. Fla.

463. **samoset** SCUDDER, Proc. Ess. Ins., iii, 176, 1862; SKINNER, C. no. 569. Atl. States.
syn. *hegon* SCUDDER, *nemoris* EDWARDS, *alternata* GROTE & ROBINSON.

464. **ænus** EDWARDS, Field & Forest, iii, 118, 1877; SKINNER, C. no. 570. S.-W. U. S.

*465. **simius** EDWARDS, Trans. Am. Ent. Soc., ix, 6, 1881; SKINNER, C. no. 571. So. Cal., Ariz.

466. **cassus** EDWARDS, Pap., iii, 71, 1883; SKINNER, C. no. 572. Ariz.

467. **nanno** EDWARDS, Pap., ii, 142, 1882; SKINNER, C. no. 573. Ariz.

468. **textor** HÜBNER. Zutr. exot. Schmett., f. 515, 1825; SKINNER, C. no. 574. So. Atl. States.
syn. *oneko* SCUDDER, *wakulla* EDWARDS.

PAMPHILA Fabricius.

FABRICIUS, Ill. Mag., vi, 287, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 236, 1875.

469. **palæmon** PALLAS, Reise, i, 471, 1771; SKINNER, No. U. S.,
C. no. 465. Eur.

syn. *paniscus* FABRICIUS, *brontes* DENIS &
SCHIFFERMÜLLER, *mandan* EDWARDS, *mesa-*
pano SCUDDER, *skada* EDWARDS.

- *470. **floridæ** MABILLE, Bull. Soc. Ent. Fr., 67, 1876; (Unknown.)
SKINNER, C. no. 90.

POTANTHUS Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 256, 1875.

471. **dara** KOLLAR, Hügel's Kashmir, iv, 455, 1848; Asia.
SKINNER, C. no. 466. U. S.

syn. *maesoides* BUTLER, *omaha* EDWARDS, *mingo*
EDWARDS, *californica* SCUDDER.

ANCYLOXYPHA Felder.

FELDER, Verh. zool.-bot. Ges. Wien, xii, 477, 1862; SCUDDER, Proc. Acad. Arts & Sci., x, 112, 1875.

472. **numitor** FABRICIUS, Ent. Syst., iii, 324, 1793; Atl.
SKINNER, C. no. 467. States.

syn. *puer* HÜBNER, *marginatus* HARRIS.

- *473. **longleyi** FRENCH, Can. Ent., xxix, 80, 1897; Ill.
SKINNER, C. no. 468.

- *474. **arene** EDWARDS, Trans. Am. Ent. Soc., iii, 214, Tex.,
1871; SKINNER, C. no. 470. Ariz.

COPÆODES Speyer.

SPEYER, Edwards Cat. Lep., 49, 56, 1877.

475. **procris** EDWARDS, Trans. Am. Ent. Soc., iii, 215, S.-W.
1871; SKINNER, C. no. 469. U. S.

syn. *minima* EDWARDS, *candida* WRIGHT.

a. waco EDWARDS, Trans. Am. Ent. Soc., ii, 122,
1868.

476. **wrightii** EDWARDS, Can. Ent., xiv, 152, 1882; Cal.
SKINNER, C. no. 471.

477. **myrtis** EDWARDS, Pap., ii, 26, 1882; SKINNER, C. Ariz.
no. 472.

- *478. **eunus** EDWARDS, Pap., i, 47, 1881; SKINNER, C. Cal.
no. 473.

OARISMA Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 231, 1875.

479. **garita** REAKIRT, Proc. Ent. Soc. Phil., vi, 150, Col., Dak.,
1866; SKINNER, C. no. 474. Br. Am.
syn. *hylax* EDWARDS.
480. **powescheik** PARKER, Am. Ent., ii, 271, 1870; SKIN- Ia., Ill.
NER, C. no. 475. to Utah.
- *481. **edwardsii** BARNES, Can. Ent., xxix, 42, 1897; Col.
SKINNER, C. no. 476.

POANES Scudder.

SCUDDER, Syst. Rev., 55, 1872; Proc. Am. Acad. Arts & Sci., x, 252, 1875.

482. **massasoit** SCUDDER, Proc. Ess. Ins., iii, 171, 1862; Atl. States,
SKINNER, C. no. 477. Col.
a. suffusa LAURENT, Ent. News, iii, 15, 1892.

ATRYTONE Scudder.

SCUDDER, Syst. Rev., 56, 1872; Proc. Am. Acad. Arts & Sci., x, 124, 1875.

483. **zabulon** BOISDUVAL & LE CONTE, Lép. Am. Sept., So. Atl.
pl. 76, f. 6, 1833; SKINNER, C. no. 478. States.
484. **hobomok** HARRIS, Ins. Inj. Veg., 313, 1862; SKIN- Atl.
NER, C. no. 479. States.
a. pocahontas SCUDDER, Proc. Ess. Ins., iii, 171,
1862.
syn. *quadraquina* SCUDDER.
485. **taxiles** EDWARDS, Trans. Am. Ent. Soc., ix, 5, S.-W.
1881; SKINNER, C. no. 480. U. S.
- *486. **ruricola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
350, 1852; SKINNER, C. no. 481.

ERYNNIS Schrank.

SCHRANK, Faun. Boica, ii, 1, 157, 1801; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 176,
1875.

487. **comma** LINNÆUS, Syst. Nat., 484, 1758; SKIN- No. U. S.,
NER, C. no. 482. Pac. States,
syn. *virgula* RETZIUS. Rocky Mts.,
a. oregonia EDWARDS, Can. Ent., xv, 150, 1883. Eur.
b. columbia SCUDDER, Syst. Rev., 56, 1872.
c. colorado SCUDDER, Mem. Bost. Soc. Nat. Hist.,
349, 1874.

THYMELICUS Hübner.

HÜBNER, Verz. bek. Schmett., 113, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 283, 1875.

516. **brettus** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 75, 1833; SKINNER, C. no. 510. Atl. States.
 syn. *wingina* SCUDDER.
a. brettoides EDWARDS, Pap., iii, 71, 1881; SKINNER, C. no. 510.
- *517. **chusca** EDWARDS, Trans. Am. Ent. Soc., iv, 346, 1873; SKINNER, C. no. 511. Ariz.
518. **draco** EDWARDS, Trans. Am. Ent. Soc., iii, 274, 1871; SKINNER, C. no. 512. Col., Brit. Am.
519. **otho** SMITH & ABBOT, Lep. Ins. Ga., i, 31, 1797; SKINNER, C. no. 514. Atl. States.
a. egeremet SCUDDER, Proc. Ess. Ins., iii, 174, 1862.
 syn. *ætna* SCUDDER, *ursa* WORTHINGTON.
520. **mystic** SCUDDER, Proc. Ess. Ins., iii, 172, 1862; SKINNER, C. no. 516. Atl. States.
521. **siris** EDWARDS, Pap., i, 47, 1881; SKINNER, C. no. 517. Wash.
- *522. **mardon** EDWARDS, Pap., i, 47, 1881; SKINNER, C. no. 518. Wash.
523. **cernes** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 56, f. 1, 1833; SKINNER, C. no. 519. Atl. States.
 syn. *ahaton* HARRIS, *taumas* SCUDDER.
- *524. **alcina** SKINNER, Ent. News, iv, 519, 1893; SKINNER, C. no. 520 (=no. 554). Col.

POLITES Scudder.

SCUDDER, Syst. Rev., 57, 1872; Proc. Am. Acad. Arts & Sci., x, 252, 1875.

525. **sabuleti** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 316, 1852; SKINNER, C. no. 513. Cal., N. Mex.
526. **peckius** KIRBY, Faun. Bor. Am., iv, 300, 1837; SKINNER, C. no. 515. Atl. States.
 syn. *transutta* HARRIS.
527. **baracoa** LUCAS, Sagra, Hist. Cuba, vi, 650, 1857; SKINNER, C. no. 521. Fla., Cuba.
 syn. *amadis* HERRICH-SCHAEFFER, *myus* FRENCH.

EUPHYES Scudder.

SCUDDER, Syst. Rev., 69, 1872; Proc. Am. Acad. Arts & Sci., x, 172, 1875.

528. **verna** EDWARDS, Proc. Acad. Nat. Sci. Phil., 57, 1862; SKINNER, C. no. 523. Atl. States.
 syn. *pottawattomie* WORTHINGTON.
529. **vestris** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 317, 1852. U. S.
 syn. *kiowah* REAKIRT, *osceola* LINTNER.
a. metacomet HARRIS, Ins. Inj. Veg., 317, 1862; SKINNER, C. no. 524.
 syn. *rurea* EDWARDS.
530. **bellus** EDWARDS, Pap., iv, 57, 1884; SKINNER, C. no. 525. So. Ariz.
531. **osyka** EDWARDS, Trans. Am. Ent. Soc., i, 228, 1867; SKINNER, C. no. 556. Gulf States, Ind.
- *532. **comus** EDWARDS, Trans. Am. Ent. Soc., v, 206, 1876; SKINNER, C. no. 557. Tex., So. Col.
 syn. *nilus* EDWARDS.
533. **eufala** EDWARDS, Trans. Am. Ent. Soc., ii, 311, 1869; SKINNER, C. no. 558. Fla., Tex.
- *534. **arabus** EDWARDS, Pap., ii, 26, 1882; SKINNER, C. no. 559. Ariz.
535. **fusca** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 2, 1867; SKINNER, C. no. 560. Atl. States.
- *536. **oslari** SKINNER, Ent. News, x, 112, 1899. Col.
537. **nerens** EDWARDS, Trans. Am. Ent. Soc., v, 205, 1876; SKINNER, C. no. 561. Ariz.

LEREMA Scudder.

SCUDDER, Syst. Rev., 61, 1872; Proc. Am. Acad. Arts & Sci., x, 205, 1875.

538. **accius** SMITH & ABBOT, Lep. Ins. Ga., pl. 23, 1797; SKINNER, C. no. 526. So. Atl. States.
 syn. *monoco* SCUDDER, *nortonii* EDWARDS, *punctella* GROTE & ROBINSON.
- *539. **loammi** WHITNEY, Can. Ent., viii, 76, 1876; SKINNER, C. no. 527. Fla., N. C.
 syn. *regulus* EDWARDS.
- *540. **horus** EDWARDS, Trans. Am. Ent. Soc., iii, 277, 1871; SKINNER, C. no. 528. Tex.
541. **deva** EDWARDS, Trans. Am. Ent. Soc., v, 292, 1876; SKINNER, C. no. 529. So. Cal., Ariz.

542. **lunus** EDWARDS, Pap., iv, 56, 1884; SKINNER, C. no. 530. So. Ariz.
543. **hianna** SCUDDER, Proc. Bost. Soc. Nat. Hist., xi, 382, 1868; SKINNER, C. no. 562. Atl. States.

OLIGORIA Scudder.

SCUDDER, Syst. Rev., 61, 1872; Proc. Am. Acad. Arts & Sci., x, 232, 1875.

544. **maculata** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, 1865; SKINNER, C. no. 531. So. Atl. States.
- *545. **drurii** LATREILLE, Enc. Méth., ix, 763, 1823; SKINNER, Ent. News, xii, 171, 1901. Mex.

PRENES Scudder.

SCUDDER, Syst. Rev., 60, 1872; Proc. Am. Acad. Arts & Sci., x, 256, 1875.

546. **panoquin** SCUDDER, Proc. Ess. Ins., iii, 178, 1862; SKINNER, C. no. 532. So. Atl. States.
syn. *ophis* EDWARDS.
- *547. **panoquinoides** SKINNER, Ent. News, ii, 175, 1891; C. no. 533. Fla.
548. **ocola** EDWARDS, Proc. Ent. Soc. Phil., ii, 20, 1863; SKINNER, C. no. 534. So. Atl. States.
549. **errans** SKINNER, Ent. News, iii, 174, 1892; C. no. 535. Cal.

CALPODES Hübner.

HÜBNER, Verz. bek. Schmett., 107, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 135, 1875.

- *549. 1. **coscinia** HERRICH-SCHAEFFER, Corr.-Blatt. Regensb., xix, 54, 1865. Mex., Tex.
550. **ethlius** CRAMER, Pap. Exot., iv, pl. 392, f. A, 1782; SKINNER, C. no. 536. So. States.
syn. *chemnis* FABRICIUS, *olynthus* BOISDUVAL & LE CONTE.
551. **pittacus** EDWARDS, Pap., ii, 138, 1882; SKINNER, C. no. 537. Ariz.
552. **python** EDWARDS, Pap., ii, 139, 1882; SKINNER, C. no. 538. Ariz.
- *553. **cestus** EDWARDS, Pap., iv, 57, 1884; SKINNER, C. no. 539. So. Ariz.
- *554. **rhenia** EDWARDS, Field & Forest, iii, 115, 1877; SKINNER, C. no. 540. So. Cal.

LIMOCHROES Scudder.

SCUDDER, Syst. Rev., 59, 1872; Proc. Am. Acad. Arts & Sci., x, 207, 1875.

555. **bimacula** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 433, 1867; SKINNER, C. no. 541. Atl. States.
syn. *acanoetus* SCUDDER, *illinois* DODGE.
556. **pentiac** EDWARDS, Proc. Ent. Soc. Phil., ii, 17, 1863; SKINNER, C. no. 542. Atl. States.
syn. *conspicua* EDWARDS, *orono* SCUDDER.
557. **manataqua** SCUDDER, Proc. Ess. Ins., iii, 175, 1862; SKINNER, C. no. 522. U. S.
syn. *ceres* HARRIS.
- *558. **yehl** SKINNER, Ent. News, iv, 212, 1893; C. no. 543. So. Atl. States.
559. **dion** EDWARDS, Can. Ent., xi, 238, 1879; SKINNER, C. no. 544. Atl. States.
560. **arpa** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 63, 1833; SKINNER, C. no. 548. Gulf States.
561. **palatka** EDWARDS, Trans. Am. Ent. Soc., i, 287, 1867; SKINNER, C. no. 549. Gulf States.
562. **byssus** EDWARDS, Can. Ent., xii, 224, 1880; SKINNER, C. no. 554. Fla., Tex.
- *563. **phylace** EDWARDS, Field & Forest, iii, 117, 1877; SKINNER, C. no. 555. So. Cal., Ariz.

PHYCANASSA Scudder.

SCUDDER, Syst. Rev., 56, 1872; Proc. Am. Acad. Arts & Sci., x, 249, 1875.

564. **viator** EDWARDS, Proc. Ent. Soc. Phil., iv, 202, 1865; SKINNER, C. no. 563. Atl. States.
- *565. **carolina** SKINNER, Ent. News, iii, 222, 1892; C. no. 564. N. C.
566. **vitellius** FABRICIUS, Ent. Syst., iii, 1, 327, 1793; SKINNER, C. no. 545. Atl. States.
syn. *delaware* EDWARDS, *logan* EDWARDS, *hübneri* PLÖTZ.
- *567. **streckeri** SKINNER, Ent. News, iv, 212, 1893. Fla.
568. **howardi** SKINNER, Can. Ent., xxviii, 187, 1896. Fla.
569. **aaroni** SKINNER, Ent. News, i, 6, 1890; C. no. 551. So. Atl. States.
570. **melane** EDWARDS, Trans. Am. Ent. Soc., ii, 312, 1869; SKINNER, C. no. 552. Cal., Mex.

- *571. **lagus** EDWARDS, Trans. Am. Ent. Soc., ix, 5, 1881; Tex.,
SKINNER, C. no. 546. Col.
572. **arogos** BOISDUVAL & LE CONTE, Lép. Am. Sept., Gulf States,
pl. 76, f. 3, 1833; SKINNER, C. no. 553. Ia., Neb.
syn. *iowa* SCUDDER.

ERYCIDES Hübner.

HÜBNER, Verz. bek. Schmett., 110, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
166, 1875.

573. **urania** WESTWOOD & HEWITSON, Gen. Diurn. Tex.,
Lep., 510, 1852; SKINNER, C. no. 638. Mex.
syn. *texana* SCUDDER.
- *574. **lilea** REAKIRT, Proc. Acad. Nat. Sci. Phil., 339, Tex.,
1866; SKINNER, C. no. 639. Mex.
syn. *albicilla* HERRICH-SCHAEFFER, *cruentus*
SCUDDER, *sanguina* SCUDDER, *socius* BUTLER
& DRUCE, *decolor* MABILLE.
575. **batabano** LEFÈBRE, Sagra, Hist. Cuba, vii, 624, Fla.,
1867; SKINNER, C. no. 640. Cuba.
syn. *mancinus* HERRICH-SCHAEFFER, *okeechobee*
WORTHINGTON.
576. **amyntas** FABRICIUS, Syst. Ent., 533, 1775; SKIN- Fla., Ariz.,
NER, C. no. 641; Ent. News, xii, 171, 1901. Mex.
syn. *lividus* HÜBNER, *savignyi* LATREILLE.

EUDAMUS Swainson.

SWAINSON, Ill., ii, 48, 1832; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 169, 1875.

577. **proteus** LINNÆUS, Syst. Nat., 484, 1758; SKINNER, Atl.
C. no. 633. States.
578. **simplicius** STOLL, Suppl. Cramer, Pap. Exot., pl. Tex., Ariz.,
39, f. 6, 1791; SKINNER, C. no. 634. Mex.
a. eurycles LATREILLE, Enc. Méth., ix, 730, 1823;
SKINNER, Ent. News, xii, 171, 1901.
579. **dorantes** STOLL, Suppl. Cramer, Pap. Exot., pl. Tex.,
172, pl. 39, f. 9, 1790; GODMAN & SALVIN, Biol. Ariz.
Cent. Am., Lep. Rhop., ii, 278, 1893.
syn. *protillus* HERRICH-SCHAEFFER, *amisus*
HEWITSON, *rauterbergi* SKINNER, C. no. 635.
580. **albofasciatus** HEWITSON, Desc. Hesp., ii, no. 2, Tex., Ariz.,
1867; SKINNER, C. no. 636. Mex.
581. **dorus** EDWARDS, Pap., ii, 140, 1882; SKINNER, C. So. Ariz.,
no. 637. Mex.
582. **zilpa** BUTLER, Lep. Exot., pl. 40, f. 2, 1872; Ariz.,
SKINNER, Ent. News, xii, 171, 1901. So. Am.
583. **alcæus** HEWITSON, Desc. Hesp., 3, 1867; SKINNER, Ariz.,
Ent. News, xii, 171, 1901. So. Am.

EPARGYREUS Hübner.

HÜBNER, Verz. bek. Schmett., 105, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 163, 1875.

584. **tityrus** FABRICIUS, Syst. Ent., 532, 1775; SKINNER, C. no. 632. U. S.

HETEROPIA Mabille.

MABILLE, Le Nat., xi, 68, 1889; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 296, 1893.

- *585. **melon** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 297, 1893. Ariz., Mex.

RHABDOIDES Scudder.

SCUDDER, Butt. E. U. S., iii, 1854, 1889.

586. **cellus** BOISDUVAL & LE CONTE, Léop. Am. Sept., pl. 73, 1833; SKINNER, C. no. 629. So. Atl. States, Ariz., Mex.
syn. *festus* HÜBNER.

- *587. **hesus** WESTWOOD & HEWITSON, Gen. Diurn. Lep., pl. 78, 1852; SKINNER, C. no. 630. Tex., Mex.

588. **zestos** HÜBNER, Zutr. exot. Schmett., f. 615, 1832; SKINNER, C. no. 631. Fla., So. Am.
syn. *oberon* WORTHINGTON.

PROTEIDES Hübner.

HÜBNER, Verz. bek. Schmett., 104, 1816.

589. **idas** CRAMER, Pap. Exot., iii, pl. 260, f. A, 1782; KIRBY, Cat. Diurn. Lep., 595, 1872; BARNES, Ent. News, x, 332, 1900. Ariz., Mex.
syn. *mercurius* FABRICIUS.

TELEGONUS Hübner.

HÜBNER, Verz. bek. Schmett., 104, 1816; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 305, 1893.

- *590. **hahneli** STAUDINGER, Exot. Tagf., 291, 1888; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 306, 1893; SKINNER, Ent. News, xii, 171, 1901. Mex.

ACHLARUS Scudder.

SCUDDER, Syst. Rev., 50, 1872; Proc. Am. Acad. Arts & Sci., x, 100, 1875.

591. **lycidas** SMITH & ABBOT, Lep. Ins. Ga., pl. 20, 1797; SKINNER, C. no. 628. Atl. States.
syn. *lyciades* HÜBNER.

THORYBES Scudder.

SCUDDER, Syst. Rev., 50, 1872; Proc. Am. Acad. Arts & Sci., x, 282, 1875.

592. **epigona** HERRICH-SCHAEFFER, Prodr., iii, 59, Tex.,
1868; SKINNER, C. no. 627. Ariz.
syn. *epigena* BUTLER, *orestes* LINTNER.
- *593. **coyote** SKINNER, Can. Ent., xxiv, 164, 1892. Tex.
594. **drusus** EDWARDS, Can. Ent., xv, 211, 1883; SKIN- So. Ariz.,
NER, C. no. 625. Mex.
595. **outis** SKINNER, Ent. News, v, 332, 1894. Tex.
596. **hippalus** EDWARDS, Pap., ii, 27, 1882; SKINNER, Ariz.,
C. no. 623. Mex.
597. **caicus** HERRICH-SCHAEFFER, Prodr., iii, 68, 1868; Ariz.,
SKINNER, C. no. 622. Mex.
syn. *schäfferi* PLÖTZ, *moschus* EDWARDS.
598. **æmilia** SKINNER, Ent. News, iv, 64, 1893; C. no. Oreg.
621.
599. **bathyllus** SMITH & ABBOT, Lep. Ins. Ga., pl. 22, So. Atl.
1797; SKINNER, C. no. 620. States.
600. **mexicana** HERRICH-SCHAEFFER, Prodr., iii, 68, Rocky Mts.,
1868; SKINNER, C. no. 619. Cal.
syn. *nevada* SCUDDER, *ananius* PLÖTZ.
601. **pylades** SCUDDER, Proc. Bost. Soc. Nat. Hist., Atl.
xiii, 207, 1870; SKINNER, C. no. 618. States.
- *602. **electra** LINTNER, Can. Ent., xiii, 63, 1881; SKIN- Ont.
NER, C. no. 617.

ACHYLODES Hübner.

HÜBNER, Verz. bek. Schmett., 107, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
100, 1875.

603. **thraso** HÜBNER, Samml. exot. Schmett., i, 1806; Tex.,
SKINNER, C. no. 616. Mex.
syn. *tamenund* EDWARDS.
- *604. **asychis** CRAMER, Pap. Exot., iv, pl. 334, f. E, Mex.
1782; SKINNER, Ent. News, xii, 171, 1901.

PHOLISORA Scudder.

SCUDDER, Syst. Rev., 51, 1872; Proc. Am. Acad. Arts & Sci., x, 249, 1875.

605. **catullus** FABRICIUS, Ent. Syst., iii, 348, 1793; U. S.
SKINNER, C. no. 608.
- *606. **mexicana** REAKIRT, Proc. Acad. Nat. Sci. Phil., Rocky Mts.,
334, 1866; SKINNER, C. no. 609. Mex.

607. **pirus** EDWARDS, Field & Forest, iii, 119, 1878; SKINNER, C. no. 610. Rocky Mts.
608. **ceos** EDWARDS, Pap., ii, 140, 1882; SKINNER, C. no. 611. Ariz., Mex.
609. **hayhurstii** EDWARDS, Trans. Am. Ent. Soc., iii, 22, 1870; SKINNER, C. no. 612. So. U. S.
610. **libya** SCUDDER, Bull. Geol. Surv. Terr., iv, 258, 1878; SKINNER, C. no. 613. Utah, Cal.
611. **alpheus** EDWARDS, Trans. Am. Ent. Soc., v, 206, 1876; SKINNER, C. no. 614. S.-W. U. S.
- *612. **lena** EDWARDS, Can. Ent., xiv, 5, 1882; SKINNER, C. no. 615. Mont.

SYSTASEA Butler.

BUTLER, in EDWARDS, Can. Ent., ix, 120, 1877; *Lintneria* EDWARDS (not BUTLER).

- *613. **pulverulenta** FELDER, Verh. zool.-bot. Ges. Wien, 478, 1869; SKINNER, C. no. 607. S.-W. U. S.
syn. *zampa* EDWARDS.

GRAIS Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 381, 1894.

- *614. **stigmaticus** MABILLE, Bull. Soc. Ent. Belg., liv, 1883; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 381, 1894; BARNES, Ent. News, x, 331, 1900. Ariz., Mex.

TIMOCHARES Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 417, 1896.

- *615. **ruptifasciatus** PLÖTZ, Jahrb. Nass. Ver., xxxvii, 27, 1884; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 418, 1896; SKINNER, Ent. News, xii, 171, 1901. Mex.

STAPHYLUS Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 429, 1896.

- *616. **brennus** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 434, 1896. Mex.

THANAOS Boisduval.

BOISDUVAL, Icon., 240, 1832; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 279, 1875.

617. **brizo** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 66, 1833; SKINNER, C. no. 586. Atl. States Col., Ariz.

618. **icelus** LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 162, 1872; SKINNER, C. no. 587. Atl. States. Col., Ariz.
619. **somnus** LINTNER, Pap., i, 73, 1881; SKINNER, C. no. 588. Fla.
620. **lucilius** LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 162, 1872; SKINNER, C. no. 589. Atl. States.
621. **persius** SCUDDER, Proc. Ess. Ins., iii, 170, 1862; SKINNER, C. no. 590. Atl. States, Rocky Mts.
- *622. **ausonius** LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 166, 1872; SKINNER, C. no. 591. Atl. States.
623. **afranius** LINTNER, 30 Rept. N. Y. Mus. Nat. Hist., 175, 1878; SKINNER, C. no. 592. Col., Ariz.
624. **martialis** SCUDDER, Trans. Chic. Acad. Nat. Sci., i, 355, 1869; SKINNER, C. no. 593. Atl. States, Col.
625. **juvenalis** FABRICIUS, Ent. Syst., iii, 339, 1793; SKINNER, C. no. 594. Atl. States, Rocky Mts.
syn. *juvenis* HÜBNER, *costalis* DOUBLEDAY & HEWITSON, *eunius* SCUDDER & BURGESS.
626. **petronius** LINTNER, Pap., i, 70, 1881; SKINNER, C. no. 595. Fla.
627. **horatius** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 301, 1870; SKINNER, C. no. 596. So. Atl. States.
syn. *virgilius* SCUDDER & BURGESS.
628. **terentius** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 292, 1870; SKINNER, C. no. 597. Atl. States.
syn. *ovidius* SCUDDER & BURGESS.
629. **propertius** LINTNER, Pap., i, 71, 1881; SKINNER, C. no. 598. Pac. States.
- *630. **nævius** LINTNER, Pap., i, 69, 1881; SKINNER, C. no. 599. Fla.
631. **pacuvius** LINTNER, 30 Rept. N. Y. Sta. Mus. Nat. Hist., 172, 1878; SKINNER, C. no. 600. Rocky Mts.
632. **tatius** EDWARDS, Pap., ii, 179, 1882; SKINNER, C. no. 601. Ariz.
633. **clitus** EDWARDS, Pap., ii, 180, 1882; SKINNER, C. no. 602. Ariz.
634. **funeralis** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 293, 1870; SKINNER, C. no. 603. S.-W. U. S.
635. **tristis** ROUSSEAU, Ann. Soc. Ent. Fr., (2), x, 311, 1852; SKINNER, C. no. 604. Cal., Ariz.

*636. **tibullus** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 298, 1870; SKINNER, C. no. 605. Cal.

*637. **plautus** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 304, 1870; SKINNER, C. no. 606. Fla.

HELIOPETES Billberg.

BILLBERG, Enum. Ins., 81, 1820; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 444, 1897.

*638. **laviana** HEWITSON, Desc. Hesp., 48, 1868; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 448, 1897. Mex.

syn. *pastor* FELDER, *leca* BUTLER.

HESPERIA Fabricius.

FABRICIUS, Ent. Syst., iii, 1, 258, 1793; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 187, 1875.

639. **ericetorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 313, 1852; SKINNER, C. no. 575. Pac. States.
syn. *alba* EDWARDS.

*640. **macaria** REAKIRT, Proc. Acad. Nat. Sci. Phil., 334, 1866; SKINNER, C. no. 576. Ariz., Mex.
syn. *oceanus* EDWARDS, *locutia* HEWITSON.

*641. **domicella** ERICHSON, Schomb. Reise, iii, 601, 1848; SKINNER, C. no. 577. Ariz., Mex.
a. nearchus EDWARDS, Pap., ii, 26, 1882.

642. **tessellata** SCUDDER, Syst. Rev., 73, 1872; SKINNER, C. no. 578. U. S.
syn. *communis* GROTE.

*643. **montivagus** REAKIRT, Proc. Acad. Nat. Sci. Phil., 46, 1866; SKINNER, C. no. 579. Rocky Mts., Fla., Mex.

644. **centaureæ** RAMBUR, Faun. Ent. And., pl. 8, f. 10, 1839; SKINNER, C. no. 580. No. Atl. States, Eur.
syn. *ruralis* BOISDUVAL, *wyandot* EDWARDS.

*645. **philetas** EDWARDS, Pap., i, 46, 1881; SKINNER, C. no. 581. Tex.

646. **cæspitalis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 312, 1852; SKINNER, C. no. 582. Pac. States, Rocky Mts.
syn. *ricara* EDWARDS, *petreius* EDWARDS.

*647. **xanthus** EDWARDS, Field & Forest, iii, 142, 1877; SKINNER, C. no. 583. Col.

*648. **scriptura** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 312, 1852; SKINNER, C. no. 584. Cal., Ariz. Mont.

649. **nessus** EDWARDS, Can. Ent., ix, 192, 1877; SKINNER, C. no. 585. So. Atl. States.
syn. *notabilis* STRECKER.
- *650. **unna** PLÖTZ, Stett. ent. Zeit., xlv, 204, 1883; (Unknown).
SKINNER, C. no. 90.
651. **polingii** BARNES, Can. Ent., xxxii, 44, 1900. Ariz.
- *652. **syrichtus** FABRICIUS, Syst. Ent., 534, 1775; KIRBY, Mex.
Cat. Diurn. Lep., 610, 1872; SKINNER, Ent. News,
xii, 171, 1901.
syn. *orculus* CRAMER, *oileus* WESTWOOD & HUM-
PHREYS, *tartarus* HÜBNER.

Superfamily SPHINGOIDEA.

Family SPHINGIDÆ.

(C. = SMITH, Trans. Am. Ent. Soc., xv, 49-242, 1888.)

HEMARIS Dalman.

DALMAN, Vet. Akad. Handl., 207, 1816; KIRBY, Cat. Lep. Het., i, 624, 1892.

- *653. **diffinis** BOISDUVAL, Sp. Gén., i, pl. 15, fig. 2, 1836; Atl.
SMITH, C. 95. States.
syn. *æthra* STRECKER.
- a. axillaris* GROTE & ROBINSON, Trans. Am. Ent.
Soc., i, 23, 1868; SMITH, C. 95.
syn. *marginalis* GROTE, *grotei* BUTLER.
- b. tenuis* GROTE, Bull. Buff. Soc., i, pl. 1, fig. 6,
1873; SMITH, C. 94.
syn. *fumosa* STRECKER, *metathetis* BUTLER.
- c. thetis* GROTE & ROBINSON, Trans. Am. Ent. No. Cal.,
Soc., i, 325, 1868; SMITH, C. 90-94. Pac. N.-W.
syn. *rubens* HY. EDWARDS.
- d. cynoglossum* HY. EDWARDS, Proc. Cal. Acad.
Sci., v, 88, 1876; SMITH, C. 91. So. Cal.
- e. senta* STRECKER, Rep. Chief Eng., 1878, pl. 2, Col.,
fig. 1; SMITH, C. 93. N. Mex.
- f. palpalis* GROTE, Bull. Buff. Soc., ii, 145, 1874; Brit.
SMITH, C. 89. Col.
654. **brucei** FRENCH, Can. Ent., xxii, 133, 1890. Col., Utah.
655. **gracilis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., Atl.
v, 174, 1865; SMITH, C. 97. States.

656. **thysbe** FABRICIUS, Syst. Ent., 548, 1775; SMITH, C. 98. Atl. States,
Miss. Vall.

syn. *pelasgus* CRAMER, *cimbiciformis* STEPHENS,
etolus BOISDUVAL, *fuscicaudis* WALKER.

- a. **ruficaudis** KIRBY, Faun. Bor. Am., iv, 303, 1837;
SMITH, C. 103.

syn. *uniformis* GROTE & ROBINSON, *pyramus*,
BOISDUVAL, *floridensis* GROTE & ROBINSON,
buffaloensis GROTE.

LEPISESIA Grote.

GROTE, Proc. Ent. Soc. Phil., v, 38, 1865; SMITH, C. 109.

- *657. **flavofasciata** WALKER, Cat. Brit. Mus., vii, 87, 1856; SMITH, C. 111. Arct.
Amer.

a. **ulalume** STRECKER, Lep. Rhop. Het., 135, pl.
15, fig. 3, 1878.

b. **rachel** BRUCE, Ent. News, xii, 19, 1901.

658. **phaeton** GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 178, 1865; SMITH, C. 112. So.
Cal.

syn. *errato* BOISDUVAL.

a. **enterpe** HY. EDWARDS, Ent. Amer., iv, 25, 1888;
SMITH, C. 235.

659. **clarkiae** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 318, 1852; SMITH, C. 112. No. Cal.
to Utah.

syn. *victoriae* GROTE.

660. **gaure** SMITH & ABBOT, Lep. Ins. Ga., i, 61, pl. 31, 1797; SMITH, C. 114. So.
States.

a. **circæ** HY. EDWARDS, Pap., ii, 9, 1882; SMITH,
C. 114.

661. **juanita** STRECKER, Lep. Rhop. Het., 112, 1878; SMITH, C. 114. Tex.

- *662. **terlooii** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 90, 1875. Mex.,
Ga.

663. **vega** DYAR. (Fore wings as *terlooii*, with an additional dark green band at base; hind wings as *juanita*; exp. 54 mm.) N. Mex.

ÆLLOPOS Hübner.

HÜBNER, Verz. bek. Schmett., 131, 1822; KIRBY, Cat. Lep. Het., i, 634, 1892.

664. **tantalus** LINNÆUS, Syst. Nat., i, 493, 1758; SMITH, C. 119-121. So. Amer.,
So. States occ.

syn. *titan* CRAMER, *zonata* DRURY, *tripunctata* GOEZE, *annulosum* SWAINSON, *balteata* KIRTLAND.

a. **ixion** LINNÆUS, Syst. Nat., i, 493, 1758.

syn. *fadus* CRAMER.

TRIPTOGON Ménétries.

MÉNÉTRIES, Enum. Corp. An. Mus. Pet., Lep., ii, 94, 1859; KIRBY, Cat. Lep. Het., i, 644, 1892.

665. **lugubris** LINNÆUS, Mant. Plant., 537, 1771; SMITH, So. Am., Fla.,
C. 123. occ. northw.

syn. *fegens* CRAMER, *camertus* CRAMER, *luctuosus* BOISDUVAL.

CALLIOMMA Walker.

WALKER, Cat. Lep. Het. B. M., viii, 101, 1856; KIRBY, Cat. Lep. Het., i, 646, 1892.

666. **pluto** FABRICIUS, Gen. Ins., 274, 1777; KIRBY, So. Am.,
Cat. Lep. Het., i, 646, 1892. So. Fla.

syn. *thorates* HÜBNER, *cræsus* DALMAN.

AMPHION Hübner.

HÜBNER, Verz. bek. Schmett., 135, 1822; SMITH, C. 125.

667. **nessus** CRAMER, Pap. Exot., ii, pl. 107, f. D, 1777; Atl. States,
SMITH, C. 125. Miss. Vall.

SPHECODINA Blanchard.

BLANCHARD, Nat. Hist. Ins., iii, pl. 20, f. 4; KIRBY, Cat. Lep. Het., i, 638, 1892.

668. **abbotii** SWAINSON, Zool. Ill., i, pl. 60, 1821; Atl. States,
SMITH, C. 129. Miss. Vall.

DEIDAMIA Clemens.

CLEMENS, Jn. Acad. Nat. Sci. Phil., iv, 137, 1839; SMITH, C. 128.

669. **inscriptum** HARRIS, Am. Jour. Sci., xxxvi, 306, Atl. States,
1839; SMITH, C. 129. Miss. Vall.

DEILEPHILA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 42, 1816, SMITH, C. 130.

670. **gallii** ROTTEMBURG, Naturf., vii, 107, 1775; Eur., Asia,
KIRBY, Cat. Lep. Het., i, 665, 1892; SMITH, C. 131. U. S.

syn. *epilobii* HARRIS, *intermedia* KIRBY, *canadensis* GUENÉE, *chamænerii* HARRIS.

671. **lineata** FABRICIUS, Syst. Ent., 541, 1775; SMITH, U. S.
C. 133.

syn. *daucus* CRAMER, *orybaphi* CLEMENS.

THERETRA Hübner.

HÜBNER, Verz. bek. Schmett., 135, 1822; KIRBY, Cat. Lep. Het., i, 649, 1902.

672. *terza* LINNÆUS, Mant. Plant., ii, 538, 1771; SMITH, C. 135. So. States.673. *porcus* HÜBNER, Samml. exot. Schmett., ii, 1824; KIRBY, Cat. Lep. Het., i, 671, 1892. So. Am., So. Fla.

ARGEUS Hübner.

HÜBNER, Verz. bek. Schmett., 134, 1822; SMITH, C. 136.

674. *labruscæ* LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 137. So. Am., Fla., occ. northw.syn. *clotho* FABRICIUS.

PACHYLIA Walker.

WALKER, Cat. Brit. Mus., i, 189, 1856; SMITH, C. 138.

675. *ficus* LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 138. So. Am., So. Fla.syn. *crameri* MÉNÉTRIÉS, *lyncea* CLEMENS, *venezuelensis* SCHAUFUSS.

PHOLUS Hübner.

HÜBNER, Verz. bek. Schmett., 134, 1822; KIRBY, Cat. Lep. Het., i, 668-670, 1892.

676. *linnei* GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 157, 1865; SMITH, C. 141. So. Am., So. States.677. *vitis* LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 143. So. Am., So. States.syn. *jussieuæ* HÜBNER, *fasciatus* SULZER.678. *pandorus* HÜBNER, Samml. exot. Schmett., ii, 1824; SMITH, C. 144. East. & Cent. States.syn. *ampelophaga* BOISDUVAL.679. *achemon* DRURY, Ill. Exot. Ent., ii, 51, 1773; SMITH, C. 145. U. S.syn. *crantor* CRAMER.680. *typhon* KLUG, Neu. Schmett., pl. 3, f. 1, 1836; KIRBY, Cat. Lep. Het., i, 668, 1892. Mex., Ariz.

AMPELOPHAGA Bremer & Grey.

BREMER & GREY, Beitr. Sch.-Faun. Chin., 11, 1853; SMITH, C. 146.

681. *chærilus* CRAMER, Pap. Exot., iii, 91, 1779; SMITH, C. 147. Atl. States, Miss. Vall.syn. *clorinda* MARTYN, *azaleæ* SMITH & ABBOT.

682. **myron** CRAMER, Pap. Exot., iii, 91, 1779; SMITH, C. 148. Atl. States,
Miss. Vall.

syn. *pampinatrix* SMITH & ABBOT.

a. **cnotus** HÜBNER, Zutr. exot. Schmett., ff. 321-2, 1823; SMITH, C. 148.

683. **versicolor** HARRIS, Am. Jour. Sci., xxxvi, 303, 1839; SMITH, C. 149. Atl. States,
Miss. Vall.

COCYTIUS Hübner.

HÜBNER, Verz. bek. Schmett., 140, 1822; KIRBY, Cat. Lep. Het., i, 686, 1892.

684. **antæus** DRURY, Ill. Exot. Ent., ii, 43, 1773; SMITH, C. 153. Antilles,
Fla.

syn. *jatrophæ* FABRICIUS, *annonæ* SHAW.

PSEUDOSPHINX Burmeister.

BURMEISTER, Verh. nat. Ges. Halle, 69, 1856; KIRBY, Cat. Lep. Het., i, 684, 1892.

685. **tetrio** LINNÆUS, Mant. Plant., 538, 1771; KIRBY, Cat. Lep. Het., i, 684, 1892. So. Am.,
Antilles, Fla.

syn. *hasdrubal* STOLL, *rustica* SEPP.

DILOPHONOTA Burmeister.

BURMEISTER, Verh. nat. Ges. Halle, 69, 1856; SMITH, C. 154.

686. **ello** LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 156. So. Am., Fla.,
occ. Northw.

687. **lassauxii** BOISDUVAL, Bull. Soc. Ent. Fr., (3), vii, 157, 1859; KIRBY, Cat. Lep. Het., i, 697, 1892; SCHAUS, Ent. News, vi, 144, 1895. So. Am.,
Fla.

syn. *cercyon* BURMEISTER.

a. **merianæ** GROTE, Proc. Ent. Soc. Phil., v, 75, 1865; SMITH, C. 158.

syn. *omphalæ* BOISDUVAL.

688. **alope** DRURY, Ill. Exot. Ent., i, pl. 27, f. 1, 1773; KIRBY, Cat. Lep. Het., i, 699, 1892; SMITH, C. 159; SCHAUS, Ent. News, vi, 144, 1895. So. Am.,
Fla.

syn. *fasciata* SWAINSON, *flavicans* GOEZE, *edwardsii* BUTLER.

689. **caicus** CRAMER, Pap. Exot., ii, pl. 125, f. F, 1779; KIRBY, Cat. Lep. Het., i, 697, 1892. So. Am.,
Fla.

690. **cenotrus** STOLL, Pap. Exot., iv, pl. 301, f. C, 1780; SMITH, C. 160; SCHAUS, Ent. News, ix, 136, 1898. So. Am.,
Fla.

syn. *melancholica* GROTE, *janiphæ* BOISDUVAL, *cinerosa* GROTE, *piperis* BOISDUVAL.

691. **crameri** SCHAUS, Ent. News, ix, 136, 1898. So. Am., Fla.

692. **obscura** FABRICIUS, Syst. Ent., 538, 1775; SMITH, So. Am., Fla.,
C. 157. occ. northw.

syn. *sthenos* HÜBNER, *rhæbus* BOISDUVAL.

- a. domingonis* BUTLER, Proc. Zool. Soc. Lond.,
258, 1875; SMITH, C. 161.

syn. *festus* HY. EDWARDS.

CAUTETHIA Grote.

GROTE, Ann. Lyc. Nat. Hist. N. Y., viii, 202, 1867; KIRBY, Cat. Lep. Het., i, 699,
1892.

693. **noctuiiformis** WALKER, Cat. Brit. Mus., viii, 232, Antilles,
1856; KIRBY, Cat. Lep. Het., i, 699, 1892. So. Fla.

- a. grotei* HY. EDWARDS, Papilio, ii, 1882; SMITH,
C. 163.

DILUDIA Grote & Robinson.

GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 188, 1865.

- *694. **brontes** DRURY, Ill. Exot. Ent., ii, pl. 129, f. 4, Antilles,
1773; KIRBY, Cat. Lep. Het., i, 681, 1892. So. Fla.

syn. *collaris* WALKER.

- *695. **cubensis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., Antilles,
v, 189, 1865; KIRBY, Cat. Lep. Het., i, 681, 1892. So. Fla.

PHLEGETHONTIUS Hübner.

HÜBNER, Verz. bek. Schmett., 140, 1822; KIRBY, Cat. Lep. Het., i, 687, 1892.

696. **quinquemaculata** HAWORTH, Lep. Brit., 59, 1803; No.
SMITH, C. 165. U. S.

syn. *celeus* HÜBNER.

697. **sexta** JOHANSEN, Amœn. Acad., vi, 410, 1764; So. Am.,
SMITH, C. 167. U. S.

syn. *carolina* LINNÆUS.

698. **rustica** FABRICIUS, Syst. Ent., 540, 1775; SMITH, So. Am.,
C. 168. So. States.

syn. *chionanthi* SMITH & ABBOT.

699. **convolvuli** LINNÆUS, Syst. Nat., 490, 1758; KIRBY, Eur.,
Cat. Lep. Het., i, 690, 1892; MEYRICK, Faun. Asia.
Hawai., i, 193, 1899.

- a. cingulata* FABRICIUS, Syst. Ent., 545, 1775; So. Am.,
SMITH, C. 170; DYAR, Ent. News, vi, 195, 1895. So. States,
syn. *affinis* GOEZE, *pungens* ESCHSCHOLTZ, Hawaii.

druræi DONAVAN. *decolorata* HY. EDWARDS.

SPHINX Linnæus.

LINNÆUS, Syst. Nat., 489, 1758; KIRBY, Cat. Lep. Het., i, 690, 1892.

700. **kalmiæ** SMITH & ABBOT, Lep. Ins., Ga., i, 73, 1797; Atl. States.
SMITH, C. 177.
- *700. 1. **franckii** NEUMOEGEN, Ent. News, iv, 133, 1893. Mo.
701. **drupiferarum** SMITH & ABBOT, Lep. Ins. Ga., i, U. S.
71, 1797; SMITH, C. 177.
a. utahensis HY. EDWARDS, Pap., i, 115, 1881.
702. **perelegans** HY. EDWARDS, Proc. Cal. Acad. Sci., v, Cal.
109, 1874; SMITH, C. 179.
703. **gordius** STOLL, Pap. Exot., iii, pl. 247, f. B., 1780; Atl. States,
SMITH, C. 180. Miss. Vall
syn. poecila STEPHENS.
704. **luscitiosa** CLEMENS, Jn. Acad. Nat. Sci. Phil., iv, Atl.
172, 1859; SMITH, C. 181. States.
705. **vancouverensis** HY. EDWARDS, Proc. Cal. Acad. West. States,
Sci., v, 111, 1874; SMITH, C. 183. Rocky Mts.
syn. vashti STRECKER.
a. albescens TEPPER, Bull. Brook. Ent. Soc., iv,
1, 1881; SMITH, C. 182.
706. **chersis** HÜBNER, Samml. exot. Schmett., ii, 1824; U. S.
SMITH, C. 184.
syn. cinerea HARRIS, *oreodaphne* HY. EDWARDS.
a. libocedrus HY. EDWARDS, Pap., iv, 115, 1881.
- *707. **insolita** LINTNER, Pap., iv, 145, 1884; SMITH, C. Tex.
186.
708. **pinastri** LINNÆUS, Syst. Nat., 492, 1758; SMITH, Europe,
C. 186. U. S.?
syn. saniptri STRECKER.
709. **sequoiæ** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 86, Cal.
1868; SMITH, C. 188.
- *710. **dollii** NEUMOEGEN, Pap., i, 149, 1881; SMITH, C. Ariz.
189.
711. **coloradus** SMITH, Ent. Amer., iii, 153, 1887; Col.
C. 189.
712. **elsa** STRECKER, Lep. Rhop. Het., 126, 1878; Ariz.,
SMITH, C. 189. Utah.
713. **canadensis** BOISDUVAL, Sp. Gén. Het., 93, 1875; No. Atl.
SMITH, C. 190. States.
syn. plota STRECKER.

- *714. *eremitoides* STRECKER, Lep. Rhop. Het., 93, 1874; SMITH, C. 191. S.-W. States.
715. *andromeda* BOISDUVAL, Lép. Guat., 74, 1870; SMITH, C. 191; SCHAUS, Ent. News, vi, 142, 1895. S.-W. States.
syn. *separatus* NEUMOEGEN.
- *715. 1. *lugens* WALKER, Cat. Brit. Mus., viii, 219, 1856; SCHAUS, Ent. News, vi, 143, 1895. U. S.?
716. *eremitus* HÜBNER, Samml. exot. Schmett., ii, 1824; SMITH, C. 193. Atl. States.
syn. *sordida* HARRIS.
717. *plebeia* FABRICIUS, Gen. Ins., 273, 1777; SMITH, C. 194. Atl. States.
- *718. *cupressi* BOISDUVAL, Sp. Gén. Het., i, 102, 1875; SMITH, C. 195. So. States.

DOLBA Walker.

WALKER, Cat. Brit. Mus., viii, 229, 1856; SMITH, C. 195.

719. *hylæus* DRURY, Ill. Exot. Ent., ii, 45, 1773; SMITH, C. 196. Atl. States.
syn. *prini* SMITH & ABBOT.

CHLÆNOGRAMMA Smith.

SMITH, Ent. Amer., iii, 154, 1887; C. 197.

720. *jasminearum* BOISDUVAL, Icon. Règ. An. Ins., 494, 1844; SMITH, C. 199. Atl. States.

CERATOMIA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 286, 1839; SMITH, C. 200.

721. *amyntor* GEYER, Zutr. exot. Schmett., iii, 1824; SMITH, C. 201. Atl. States, Miss. Vall.
syn. *quadricornis* HARRIS.
722. *undulosa* WALKER, Cat. Brit. Mus., viii, 231, 1856; SMITH, C. 203. Atl. States, Miss. Vall.
syn. *repentinus* CLEMENS.
723. *hageni* GROTE, Bull. Buff. Soc., ii, 149, 1874; SMITH, C. 204. Tex.
724. *catalpæ* BOISDUVAL, Sp. Gén. Het., i, 103, 1875; SMITH, C. 205. So. States.

LAPARA Walker.

WALKER, Cat. Brit. Mus., viii, 232, 1856; *Ellema* CLEMENS; Smith, C. 206.

725. **bombycoides** WALKER, Cat. Brit. Mus., viii, 232, 1856; SMITH, C. 205. Atl. States,
Miss. Vall.

syn. *harrisii* CLEMENS.

- a. pinetum* LINTNER, Ent. Cont., i, 37, 1872;
SMITH, C. 209.

726. **coniferarum** SMITH & ABBOT, Lep. Ins. Ga., i, 83, 1797; SMITH, C. 210. So.
States.

syn. *cana* MARTYN.

EXEDRIUM Grote.

GROTE, Check List, 11, 1882; SMITH, C. 211.

- *727. **halicarniæ** STRECKER, Bull. Brook. Ent. Soc., iii, 35, 1880; SMITH, C. 211. Fla.

MARUMBA Moore.

MOORE, Lep. Ceylon, ii, 8, 1882; KIRBY, Cat. Lep. Het., i, 706, 1892.

728. **modesta** HARRIS, Am. Journ. Sci., xxxvi, 292, 1839; SMITH, C. 216. U. S.

syn. *princeps* WALKER, *populicola* BOISDUVAL,
cablei VON REIZENSTEIN, *occidentalis* HY.
EDWARDS.

- a. imperator* STRECKER, Lep. Rhop. Het., 125,
1878; SMITH, C. 217.

SMERINTHUS Latreille.

LATREILLE, Hist. Nat. Ins., iv, 209, 1802; SMITH, C. 218.

729. **jamaicensis** DRURY, Ill. Exot. Ent., ii, 43, 1773; SMITH, C. 219. Atl.
States.

syn. *geminatus* SAY, *tripartitus* GROTE.

730. **cerysii** KIRBY, Faun. Bor. Amer., iv, 301, 1827; SMITH, C. 223. No. Atl.
States.

- a. astarte* STRECKER, Proc. Acad. Nat. Sci. Phil., 36, 283, 1884; SMITH, C. 223. Col.

- b. ophthalmicus* BOISDUVAL, Ann. Soc. Ent. Fr., xii, 67, 1869; SMITH, C. 221. No. Pac.
States.

syn. *pallidulus* HY. EDWARDS, *vancouverensis*
BUTLER.

PAONIAS Hübner.

HÜBNER, Verz. bek. Schmett., 142, 1822; KIRBY, Cat. Lep. Het., 712, 1892; SMITH, C. 226.

731. *excœcatus* SMITH & ABBOT, Lep. Ins. Ga., i, 49, 1797; SMITH, C. 226. Atl. States.
syn. *pavonia* GEYER.

732. *myops* SMITH & ABBOT, Lep. Ins. Ga., i, 51, 1797; SMITH, C. 227. Atl. States, Miss. Vall.
syn. *rosacearum* BOISDUVAL.

733. *astylus* DRURY, Ill. Exot. Ent., ii, 45, 1773; SMITH, C. 228. Atl. States.
syn. *integerrima* HARRIS, *io* BOISDUVAL.

CRESSONIA Grote & Robinson.

GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 161, 1865; SMITH, C. 229.

734. *juglandis* SMITH & ABBOT, Lep. Ins. Ga., i, 57, 1797; SMITH, C. 230; KIRBY, Cat. Lep. Het., i, 713, 1892. Atl. States, Miss. Vall.
syn. *robinsonii* BUTLER, *pallens* STRECKER, *hyperbola* SLOSSON.

ARCTONOTUS Boisduval.

BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 319, 1852; SMITH, C. 232.

735. *lucidus* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 319, 1852; SMITH, C. 232; KIRBY, Cat. Lep. Het., i, 714, 1892. Pac. States.

Superfamily SATURNOIDEA.

Family SATURNIIDÆ.

(C.=SMITH, Proc. U. S. Nat. Mus., 414-437, 1886; NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 121-132, 1894.)

PHILOSAMIA Grote.

GROTE, Proc. Am. Phil. Soc., xiv, 258, 1874; KIRBY, Cat. Lep. Het., i, 748, 1892.

736. *cynthia* DRURY, Ill. Exot. Ent., ii, pl. 6, f. 2, 1773; SMITH, C. 146; NEUMOEGEN & DYAR, C. 121; HAMPSON, Moths Ind., i, 16, 1892. Japan to Java, Atl. coast cities.
syn. *aurotus* FABRICIUS, *insularis* VOLLENHOVEN, *vesta* WALKER, *cunningii* WALKER, *walkeri* FELDER, *pryeri* BUTLER.

ROTHSCHILDIA Grote.

GROTE, Verh. Ges. deutsch. Nat. Aerzte, 68, 2 div., 1 Heft, 204, 1897.

737. *orizaba* WESTWOOD, Proc. Zool. Soc. Lond., 158, 1853; KIRBY, Cat. Lep. Het., i, 747, 1892. Mex., Ariz.
738. *jorulla* WESTWOOD, Proc. Zool. Soc. Lond., 159, 1853; NEUMOEGEN & DYAR, C. 122. Mex., Ariz.
syn. *cinctus* TEPPER.

SAMIA Hübner.

HÜBNER, Verz. bek. Schmett., 156, 1822; NEUMOEGEN & DYAR, C. 123.

739. *cecropia* LINNÆUS, Syst. Nat., i, 447, 1758; SMITH, C. 427. Atl. States.
740. *gloveri* STRECKER, Lep. Rhop. Het., i, 1, 1872; SMITH, C. 425. Rocky Mts., Ariz.
a. reducta NEUMOEGEN, Ent. News, ii, 152, 1891; NEUMOEGEN & DYAR, C. 123.
741. *columbia* SMITH, Proc. Bost. Soc. Nat. Hist., ix, 343, 1865; C. 424. N. Atl. States.
742. *rubra* BEHR, Proc. Cal. Acad. Sci., i, 46, 1855; NEUMOEGEN & DYAR, C. 124. Pac. States.
syn. *euryalus* BOISDUVAL, *californica* GROTE, *ceanothi* BEHR.

CALLOSAMIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 379, 1864; NEUMOEGEN & DYAR, C. 124.

743. *calleta* WESTWOOD, Proc. Zool. Soc. Lond., 166, 1853; NEUMOEGEN & DYAR, C. 124. Mex., Ariz.
syn. *polyommata* TEPPER.
744. *promethia* DRURY, Ill. Exot. Ent., ii, pl. 11, f. 1, 1773; SMITH, C. 423. Atl. States.
745. *angulifera* WALKER, Cat. Brit. Mus., v, 1224, 1855; SMITH, C. 424. Atl. States.

AGAPEMA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 125, 1894.

746. *galbina* CLEMENS, Proc. Acad. Nat. Sci. Phil., 156, 1860; SMITH, C. 431. Mex., Ariz.

TROPÆA Hübner.

HÜBNER, Verz. bek. Schmett., 152, 1822; KIRBY, Cat. Lep. Het., i, 765, 1892.

747. **luna** LINNÆUS, Syst. Nat., 496, 1758; SMITH, C. 429. Atl. States,
Miss. Vali.
a. dictynna WALKER, Cat. Brit. Mus., vi, 1264,
1855.
b. rossi ROSS, Cat. Lep. Can., 5, note, 1872;
NEUMOEGEN & DYAR, C. 126.

TELEA Hübner.

HÜBNER, Verz. bek. Schmett., 154, 1822; SMITH, C. 429.

748. **polyphemus** CRAMER, Pap. Exot., i, pl. 5, f. A, U. S.
1775; SMITH, C. 430; NEUMOEGEN & DYAR, C. 126.
syn. *paphia* LINNÆUS, *fenestra* PERRY, *oculea*
NEUMOEGEN.

SATURNIA Schrank.

SCHRANK, Faun. Boica, ii, (1), 149; NEUMOEGEN & DYAR, C. 126.

749. **mendocino** BEHRENS, Can. Ent., viii, 149, 1876; No.
SMITH, C. 432. Cal.

AUTOMERIS Hübner.

HÜBNER, Verz. bek. Schmett., 154, 1822; NEUMOEGEN & DYAR, C. 127.

- *750. **selleri** GROTE & ROBINSON, Trans. Am. Ent. Soc., Mex.,?
ii, 193, 1868; SMITH, C. 434. Tex.?
751. **pamina** NEUMOEGEN, Pap., ii, 60, 1882; SMITH, C. Ariz.,
435; NEUMOEGEN & DYAR, C. 127. Mex.
a. aurosea NEUMOEGEN, Pap., ii, 61, 1882.
syn. *boucardi* DRUCE, Biol. Cent. Am., Lep.
Het., i, 178, pl. 17, f. 5, 1886.
*752. **sephyria** GROTE, Can. Ent., xiv, 215, 1882; SMITH, N. Mex.
C. 436.
753. **io** FABRICIUS, Syst. Ent., 560, 1775; SMITH, C. Eastern
434; NEUMOEGEN & DYAR, C. 128. U. S., Mex.
syn. *corollaria* PERRY, *varia* WALKER, *fabricii*
BOISDUVAL, *argus* NEUMOEGEN & DYAR.
a. lilith STRECKER, Lep. Rhop. Het., 139, 1878.

THAUMA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 265, 1875; NEUMOEGEN & DYAR, C. 128.

754. **socialis** FEISTHAMEL, Mag. Zool., pl. 20, f. 1. Peru, Chile,
1839; NEUMOEGEN & DYAR, C. 128. Brit. Col.?
syn. *angulifera* WALKER, *ribis* HY. EDWARDS.

COLORADIA Blake.

BLAKE, Proc. Ent. Soc. Phil., ii, 279, 1863; SMITH, C. 436.

755. **pandora** BLAKE, Proc. Ent. Soc. Phil., ii, 279, 1863; NEUMOESEN & DYAR, C. 129. Rocky Mts.
a. doris BARNES, Can. Ent., xxxii, 46, 1900.

HEMILEUCA Walker.

WALKER, Cat. Brit. Mus., v, 1319, 1855; NEUMOESEN & DYAR, C. 129.

756. **electra** WRIGHT, Pap., iv, 19, 1884; NEUMOESEN & DYAR, C. 129. So. Cal.
 757. **maia** DRURY, Ill. Exot. Ent., ii, pl. 24, f. 3, 1773; NEUMOESEN & DYAR, C. 130. Atl. States, Col.
 syn. proserpina FABRICIUS.
 a. lucina HY. EDWARDS, Ent. Am., ii, 14, 1887.
 758. **nevadensis** STRETCH, Zyg. Bomb. N. A., 108, 1872; NEUMOESEN & DYAR, C. 130. Rocky Mts. to Pacific.
 syn. californica WRIGHT, *artemis* PACKARD.
 759. **juno** PACKARD, Rep. Peab. Acad. Sci., iv, 87, 1872; NEUMOESEN & DYAR, C. 130. Mex., Ariz.
 syn. yarapai NEUMOESEN.
 *760. **grotei** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 192, 1868; NEUMOESEN & DYAR, C. 131. Col., Tex.
 syn. diana PACKARD.
 761. **neumoegenii** HY. EDWARDS, Pap., i, 171, 1881; NEUMOESEN & DYAR, C. 131. Ariz., Cal.
 762. **tricolor** PACKARD, Rep. Peab. Acad., iv, 89, 1872; NEUMOESEN & DYAR, C. 131. N. Mex.
 763. **hualapai** NEUMOESEN, Pap., iii, 138, 1883; NEUMOESEN & DYAR, C. 131. Ariz., Mex.
 a. sororius HY. EDWARDS, Pap., i, 100, 1881; NEUMOESEN & DYAR, C. 129, note.
 b. oliviae COCKERELL, Psyche, viii, 252, 1898.

PSEUDOHAZIS Grote & Robinson.

GROTE & ROBINSON, Ann. Lye. Nat. Hist. N. Y., viii, 377, 1866; NEUMOESEN & DYAR, C. 131.

764. **eglanterina** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 323, 1852; NEUMOESEN & DYAR, C. 132. Rocky Mts. to Ariz.
 syn. arizonensis STRECKER.
 a. nuttalli STRECKER, Lep. Rhop. Het., 107, 1875.

765. **shastaensis** BEHRENS, No. Am. Ent., i, 62, 1880; Pac. States,
NEUMOEGEN & DYAR, C. 132. Col.
a. denudata NEUMOEGEN, Can. Ent., xxiii, 145,
1891.
766. **hera** HARRIS, Rep. Ins. Mass., 286, 1841; NEU- W. Col.,
MOEGEN & DYAR, C. 132. Utah, E. Or.
syn. picta WALKER.
a. marcata NEUMOEGEN, Can. Ent., xxiii, 146,
1891; NEUMOEGEN & DYAR, C. 132.

HYLESIA Hübner.

HÜBNER, Verz. bek. Schmett., 186, 1822.

766. 1. **alinda** DRUCE, Biol. Cent. Am., Lep. Het., i, Mex.,
197, 1886. Ariz.

Family CERATOCAMPIDÆ.

(C.=NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 147-152, 1894.)

ANISOTA Hübner.

HÜBNER, Verz. bek. Schmett., 193, 1822; NEUMOEGEN & DYAR, C. 147.

767. **stigma** FABRICIUS, Syst. Ent., 563, 1775; NEU- Atl.
MOEGEN & DYAR, C. 147. States.
768. **senatoria** SMITH & ABBOT, Lep. Ins. Ga., pl. 57, Atl.
1797; NEUMOEGEN & DYAR, C. 147. States.
769. **consularis** DYAR, Journ. N. Y. Ent. Soc., iv, 166, Fla.
1896.
770. **virginiensis** DRURY, Ill. Exot. Ent., ii, pl. 13, f. Atl.
2, 1773; NEUMOEGEN & DYAR, C. 148. States.
syn. astymome OLIVIER, *pellucida* HERRICH-
SCHAEFFER.
771. **rubicunda** FABRICIUS, Syst. Ent., 429, iii, (1), 1793; Atl.
NEUMOEGEN & DYAR, C. 148. States.
a. alba GROTE, Bull. Buff. Soc., ii, 183, 1874.
syn. pallida BOWLES.

ADELOCEPHALA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Auss. Schmett., i, 9, 1855; KIRBY, Cat. Lep. Het., i, 741, 1892;
DYAR, Proc. Ent. Soc. Wash., iv, 427, 1901.

772. **bicolor** HARRIS, Rep. Ins. Mass., 203, 1841; Miss.
NEUMOEGEN & DYAR, C. 148. Val.
syn. distigma WALSH.
a. suprema NEUMOEGEN, Ent. Amer., i, 94, 1885;
NEUMOEGEN & DYAR, C. 149.
b. immaculata JEWETT, Pap., ii, 144, 1882.

SYSSPHINX Hübner.

HÜBNER, Verz. bek. Schmett., 143, 1822; KIRBY, Cat. Lep. Het., i, 741, 1892; DYAR, Proc. Ent. Soc. Wash., iv, 428, 1901.

773. **quadrilineata** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 11, 1867; NEUMOEGEN & DYAR, C. 149. Miss. Val.

774. **bisecta** LINTNER, Can. Ent., xi, 10, 1879; NEUMOEGEN & DYAR, C. 149. Tex.
syn. *nebulosa* NEUMOEGEN.

775. **heiligbrodti** HARVEY, Can. Ent., ix, 110, 1871; NEUMOEGEN & DYAR, C. 149. Ariz.
a. hubbardi DYAR (dark stone-gray instead of pale gray).

CITHERONIA Hübner.

HÜBNER, Verz. bek. Schmett., 153, 1822; NEUMOEGEN & DYAR, C. 150.

776. **regalis** FABRICIUS, Syst. Nat., iii, (1), 436, 1793; NEUMOEGEN & DYAR, C. 150. Atl. States.
syn. *regia* SMITH & ABBOT.
a. infernalis STRECKER, Pap., iv, 73, 1883.
b. saengeri NEUMOEGEN, Ent. News, ii, 151, 1891.

777. **sepulchralis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 222, 1865; NEUMOEGEN & DYAR, C. 151. Atl. States.

BASILONA Boisduval.

BOISDUVAL, Ann. Soc. Ent. Fr., (4), viii, 314, 1868; NEUMOEGEN & DYAR, C. 151.

778. **imperialis** DRURY, Ill. Exot. Ent., i, pl. 9, f. 1, 1773; NEUMOEGEN & DYAR, C. 151. Atl. States.
syn. *imperatoria* SMITH & ABBOT, *punctatissima* NEUMOEGEN.
a. didyma DE BEAUVOIS, Ins. Afr. Amér., 52, pl. 20, 1805; NEUMOEGEN & DYAR, C. 157.
b. nobilis NEUMOEGEN, Ent. News, ii, 150, 1891.

Superfamily BOMBYCOIDEA.

Family SYNTOMIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., i, 1898.)

COSMOSOMA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1827; HAMPSON, C. 225.

779. **auge** LINNÆUS, Syst. Nat., i, (2), 807, 1767; HAMPSON, C. no. 477. So. Am., Mex., Fla.
syn. *omphale* HÜBNER, *melita* MÖSCHLER.

SYNTOMEIDA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 316, 1839; HAMPSON, C. 305.

780. *ipomeæ* HARRIS, Am. Jn. Sci., xxxvi, 316, 1839; So.
HAMPSON, C. no. 679. States.

syn. *ferox* WALKER, *euterpe* HERRICH-SCHAEFFER.

781. *epilais* WALKER, Cat. Brit. Mus., i, 227, 1854; Fla.,
HAMPSON, C. no. 680. So. Am.

PSEUDOMYA Hübner.

HÜBNER, Verz. bek. Schmett., 124, 1827; HAMPSON, C. 262.

782. *minima* GROTE, Proc. Ent. Soc. Phil., vi, 298, Cuba,
1867; HAMPSON, C. no. 569. Fla.

DIDASYS Grote.

GROTE, Can. Ent., vii, 174, 1875; HAMPSON, C. 360.

783. *belæ* GROTE, Can. Ent., vii, 145, 1875; HAMPSON, Fla.
C. no. 797.

HORAMA Hübner.

HÜBNER, Verz. bek. Schmett., 124, 1827; HAMPSON, C. 417.

784. *texana* GROTE, Proc. Ent. Soc. Phil., vi, 184, 1867; Cent. Am.,
HAMPSON, C. no. 928. Mex., Tex.

EUCEREON Hübner.

HÜBNER, Verz. bek. Schmett., 123, 1827; HAMPSON, C. 485.

785. *confine* HERRICH-SCHAEFFER, Ausser. Schmett., f. Cent. Am.,
277, 1855; HAMPSON, C. no. 1117. Mex., Fla.
syn. *carolina* HY. EDWARDS.

LYMIRE Walker.

WALKER, Cat. Brit. Mus., ii, 489, 1854; HAMPSON, C. 414.

786. *edwardsi* GROTE, Pap., i, 4, 1881; HAMPSON, C. Fla.
no. 923.

SCEPSIS Walker.

WALKER, Cat. Brit. Mus., ii, 285, 1854; HAMPSON, C. 520.

787. *fulvicollis* HÜBNER, Samml. exot. Schmett., i, Atl. States to
1827; HAMPSON, C. no. 1148. Rocky Mts.
syn. *semidiaphana* HARRIS.
a. pallens HY. EDWARDS, Ent. Amer., ii, 8, 1886.

788. **packardii** GROTE, Proc. Ent. Soc. Phil., iv, 318, 1865. No. Pac. States.

syn. *matthewi* GROTE.

789. **wrightii** STRETCH, Ent. Amer., i, 101, 1885; Cal.
HAMPSON, C. no. 1149.

a. gravis HY. EDWARDS, Ent. Amer., ii, 8, 1886.

LYCOMORPHA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 317, 1839; HAMPSON, C. 522.

790. **grotei** PACKARD, Proc. Essex Ins., iv, 47, 1864; Rocky Mts.,
HAMPSON, C. no. 1152. Tex.

syn. *palmeri* PACKARD.

a. pulchra DYAR, Jn. N. Y. Ent. Soc., vi, 34, 1898.

- *791. **fulgens** HY. EDWARDS, Pap., i, 116, 1881; HAMP- N. Mex.,
SON, C. no. 1153. Ariz.

792. **pholus** DRURY, Ill. Exot. Ent., ii, pl. 28, f. 3, U. S.
1773; HAMPSON, C. no. 1154.

a. miniata PACKARD, Rep. Peab. Acad., iv, 84, 1872.

- *792. 1. **desertus** HY. EDWARDS, Pap., i, 81, 1881; NEU- Ariz.
MOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 173,
1894. (Type lost.)

CTENUCHA Kirby.

KIRBY, Faun. Bor. Am., iii, 305, 1837; HAMPSON, C. 523.

793. **venosa** WALKER, Cat. Brit. Mus., ii, 284, 1854; Mex., Tex.,
HAMPSON, C. no. 1165. Col.

794. **cressonana** GROTE, Proc. Ent. Soc. Phil., ii, 64, Rocky
1863; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., Mts.
i, 106, 1893.

a. sanguinaria STRECKER, Rep. Ch. Eng. Ruffner,
1878, app., 1858; HAMPSON, C. no. 1166.

b. lutea GROTE, Can. Ent., xxxiv, 104, 1902.

795. **brunnea** STRETCH, Zyg. Bomb. N. A., i, 30, 1872; Cal.
HAMPSON, C. no. 1168.

796. **multifaria** WALKER, Cat. Brit. Mus., ii, 478, 1854; Cal.
HAMPSON, C. no. 1169.

a. luteoscapus NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 106, 1893.

797. **rubroscapus** MÉNÉTRIES, Cat. Lép. Pét., ii, 142, Pac.
1857; HAMPSON, C. no. 1170. States.

syn. *walsinghami* HY. EDWARDS.

a. ochroscapus GROTE & ROBINSON, Trans. Am.
Ent. Soc., i, 330, 1868.

syn. *corvina* BOISDUVAL.

798. **virginica** CHARPENTIER, Esper's Exot. Schmett.,
ii, suppl., pl. 2, f. 3, 1830; HAMPSON, C. no. 1171. No. Atl.
syn. *latreillana* KIRBY. States.

DAHANA Grote.

GROTE, Can. Ent., vii, 175, 1875; HAMPSON, C. 531.

799. **atripennis** GROTE, Can. Ent., vii, 175, 1875; HAMP- Fla.
SON, C. no. 1174.

Family LITHOSIIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 1900.)

CRAMBIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 99, 1864; HAMPSON, C. 126.

800. **pallida** PACKARD, Proc. Ent. Soc. Phil., iii, 99, No. Atl.
1864; HAMPSON, C. no. 244. States.
801. **uniformis** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; Va.,
HAMPSON, C. no. 246. Md.
802. **cephalica** GROTE & ROBINSON, Trans. Am. Ent. Col.,
Soc., iii, 176, 1870; NEUMOEGEN & DYAR, Jn. Ariz.
N. Y. Ent. Soc., i, 109, 1893.
803. **casta** SANBORN, Packard's Guide Stud. Ins., 284, No. U. S.,
1869; HAMPSON, C. no. 247. Can.
syn. *candida* HY. EDWARDS.
804. **lithosioides** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; Tex.
HAMPSON, C. no. 245.

PALPIDIA Dyar.

DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; HAMPSON, C. 513.

805. **pallidior** DYAR, Jn. N. Y. Ent. Soc., vi, 34, 1898; Fla.
HAMPSON, C. no. 1103.

LEXIS Wallengren.

WALLENGREN, Vet. Akad. Handl., (2), 5, (4), 41, 1865; HAMPSON, C. 115.

806. **bicolor** GROTE, Proc. Ent. Soc. Phil., iii, 74, 1864; No. States,
HAMPSON, C. no. 224. Can.
syn. *argillacea* PACKARD.

HYPOPREPIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 21, 1825; HAMPSON, C. 515.

807. **miniata** KIRBY, Faun. Bor. Am., iv, 305, 1837; Atl.
States.
HAMPSON, C. no. 1108.
syn. *vittata* HARRIS.
a. **subornata** NEUMOEGEN & DYAR, Can. Ent., xxv,
124, 1893.
808. **fucosa** HÜBNER, Zutr. exot. Schmett., f. 471, 1825; Atl.
States.
HAMPSON, C. no. 1109.
syn. *tricolor* FITCH.
a. **plumbea** HY. EDWARDS, Ent. Amer., ii, 9, 1886.
809. **cadaverosa** STRECKER, Proc. Dav. Acad. Sci., ii, Rocky
Mts.
270, 1878; HAMPSON, C. no. 1110.
810. **inculta** HY. EDWARDS, Pap., ii, 13, 1882; HAMP- Col.
SON, C. no. 1111.

HÆMATOMONIS Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 514, 1900.

811. **mexicana** DRUCE, Biol. Cent. Am., Lep. Het., i, Mex.,
Ariz.
131, 1885; HAMPSON, C. no. 1106.

COMACLA Walker.

WALKER, Cat. Brit. Mus., vii, 1679, 1856; HAMPSON, C. 338.

812. **simplex** WALKER, Cat. Brit. Mus., vii, 1679, 1856; Rocky Mts.,
Tex.
HAMPSON, C. no. 712.
syn. *murina* WALKER, *clarus* GROTE & ROBIN-
SON, *texana* FRENCH, Can. Ent., xxxi, 9, 1899.
813. **fuscipes** GROTE, Can. Ent., xi, 86, 1883; NEU- Ariz.
MOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 114, 1893.

NEOPLYNES Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 520, 1900.

814. **eudora** DYAR, Ent. News, v, 198, 1894; HAMPSON, Tex.
C. no. 1117.

BRUCEIA Neumoegen.

NEUMOEGEN, Jn. N. Y. Ent. Soc., i, 36, 1893; HAMPSON, C. 514.

815. **pulverina** NEUMOEGEN, Jn. N. Y. Ent. Soc., i, 36, Col.
1893; HAMPSON, C. no. 1105.
816. **hubbardi** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898, Ariz.

CLEMENSIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 100, 1864; HAMPSON, C. 398.

817. **albata** PACKARD, Proc. Ent. Soc. Phil., iii, 100, 1864; HAMPSON, C. no. 853. No. U. S., Cal., Mex.

syn. *albida* WALKER, *cana* WALKER, *umbrata*,
PACKARD, *irrorata* HY. EDWARDS, *patella*
DRUCE, *philodina* DRUCE.

- *818. **lactea** STRETCH, Ent. Amer., i, 103, 1883; HAMPSON, C. no. 792. Cal.

OZONADIA Dyar.

DYAR, Psyche, viii, 359, 1899; HAMPSON, C. 365.

819. **schwarziorum** DYAR, Psyche, viii, 359, 1899; HAMPSON, C. no. 769. Mex., Ariz.

820. **unifascia** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 175, 1868; HAMPSON, C. no. 770. So. Atl. States.
a. tenuifascia HARVEY, Bull. Buff. Soc., iii, 4, 1875.

ILLICE Walker.

WALKER, Cat. Brit. Mus., xix, 1019, 1859; HAMPSON, C. 363.

821. **subjecta** WALKER, Cat. Brit. Mus., ii, 534, 1854; HAMPSON, C. no. 776. So. Atl. States.

syn. *packardii* GROTE.

a. striata OTTOLENGUI, Can. Ent., xxx, 101, 1898; HAMPSON, C. no. 777.

822. **plumbea** STRETCH, Ent. Amer., i, 102, 1885; HAMPSON, C. no. 787. Tex.

823. **faustinula** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 73, 1868; HAMPSON, C. no. 787. Cal.

a. fusca STRETCH, Zyg. Bomb. N. A., 49, 1872.

824. **nexa** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 74, 1868; HAMPSON, C. no. 785. Cal.

syn. *grisea* PACKARD, *deserta* FELDER.

Family ARCTIIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 1901.)

PTYCHOGLENE Felder.

FELDER, Reise Novara, Lep., iv, pl. 106, f. 26, 1874.

- *825. **coccinea** HY. EDWARDS, Ent. Amer., ii, 9, 1886. Ariz.

826. **phrada** DRUCE, Ann. Mag. Nat. Hist., (6), iv, 90, 1889; HAMPSON, C. ii, no. 507. Ariz., Mex.
 syn. *flammans* DYAR, Jn. N. Y. Ent. Soc., vi, 39, 1898.

827. **sanguineola** BOISDUVAL, Lép. Guat., 95, 1870; HAMPSON, C. ii, no. 505. Ariz., Mex.

EUBAPHE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 9, 1823; HAMPSON, C. 188.

828. **læta** GUÉRIN, Icon. Ins., pl. 88, f. 6, 1829; HAMPSON, C. no. 1567. Atl. States.

syn. *treatii* GROTE, *rubropicta* PACKARD.

829. **intermedia** GRAEF, Ent. Amer., iii, 42, 1887; HAMPSON, C. no. 1575. Tex., Col.

a. **parvula** NEUMOEGEN & DYAR, Ent. News, iv, 140, 1893.

syn. *cocciniceps* SCHAUS, Ann. Mag. Nat. Hist., (7), vii, 269, 1901; HAMPSON, C. no. 1565.

830. **ostenta** HY. EDWARDS, Pap., i, 12, 1881; HAMPSON, C. no. 1568. Ariz.

831. **fragilis** STRECKER, Rep. Eng. Ruffner, v, app., 1859, 1878; HAMPSON, C. no. 1574. Tex.

syn. *costata* STRETCH, *opelloides* GRAEF.

832. **opella** GROTE, Proc. Ent. Soc. Phil., i, 345, 1863; HAMPSON, C. no. 1576. Atl. States.

syn. *obscura* STRECKER, *rubricosta* EHRMAN.

a. **nigricans** REAKIRT, Proc. Ent. Soc. Phil., ii, 371, 1864.

syn. *nigrifera* WALKER.

b. **belmaria** EHRMAN, Can. Ent., xxvii, 345, 1895.

833. **immaculata** REAKIRT, Proc. Ent. Soc. Phil., ii, 372, 1864; SMITH, Can. Ent., xxi, 195, 1889. Atl. States.

a. **trimaculosa** REAKIRT, Proc. Ent. Soc. Phil., ii, 372, 1864.

834. **aurantiaca** HÜBNER, Zutr. exot. Schmett., f. 411, 1825; HAMPSON, C. no. 1573. Atl. States to Rocky Mts., Mex.

a. **rubicundaria** HÜBNER, Zutr. exot. Schmett., f. 511, 1825.

syn. *rosa* FRENCH, *diminutiva* GRAEF.

b. **ferruginosa** WALKER, Cat. Brit. Mus., ii, 535, 1854; SMITH, Can. Ent., xxi, 195, 1889.

c. **brevicornis** WALKER, Cat. Brit. Mus., ii, 536, 1855.

syn. *belfragei* STRETCH.

d. quinaris GROTE, Proc. Ent. Soc. Phil., ii, 30, 1863.

syn. *choriona* REAKIRT, *bimaculata* SAUNDERS.

DODIA Dyar.

DYAR, Jn. N. Y. Ent. Soc., ix, 85, 1901.

835. *albertæ* DYAR, Jn. N. Y. Ent. Soc., ix, 85, 1901. Alberta.

UTETHEISA Hübner.

HÜBNER, Verz. bek. Schmett., 168, 1823; HAMPSON, C. 480.

836. *bella* LINNÆUS, Syst. Nat., 534, 1858; HAMPSON, C. no. 2091. Atl. States.

a. hybrida BUTLER, Trans. Ent. Soc. Lond., 361, 1877.

syn. *intermedia* BUTLER.

b. terminalis NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 162, 1893.

c. venusta DALMAN, Anal. Ent., 28, 1823.

syn. *speciosa* WALKER.

837. *ornatrix* LINNÆUS, Syst. Nat., 511, 1758; HAMPSON, C. no. 2090. Fla., Antilles, So. Am.

a. stretchii BUTLER, Trans. Ent. Soc. Lond., 361, 1877.

syn. *pura* BUTLER.

HAPLOA Hübner.

HÜBNER, Verz. bek. Schmett., 182, 1822; SMITH, Proc. U. S. Nat. Mus., 338, 1887; LYMAN, Can. Ent., xix, 181, 1887; HAMPSON, C. 492.

838. *clymene* BROWN, Ill. Zool., 96, 1776; HAMPSON, C. no. 2099. Atl. States.

syn. *interruptomarginata* DE BEAUVOIS, *comma* WALKER.

839. *colona* HÜBNER, Eur. Schmett., ii, 135, 1804; HAMPSON, C. no. 2100. Atl. States.

syn. *carolina* HARRIS.

a. reversa STRETCH, Ent. Amer., i, 104, 1885.

syn. *suffusa* SMITH.

b. fulvicosta CLEMENS, Proc. Acad. Nat. Sci. Phil., 536, 1861; HAMPSON, C. no. 2103.

syn. *duplicata* NEUMOEGEN & DYAR.

c. consita WALKER, Cat. Brit. Mus., xxxii, 377, 1865.

syn. *lactata* SMITH.

d. triangularis SMITH, Ent. News, x, 126, 1899.

840. **lecontei** BOISDUVAL, Icon. Reg. An., Ins., 517, 1829; HAMPSON, C. no. 2101. Atl.
States.
 syn. *leucomelas* HERRICH-SCHAEFFER.
a. dyari MERRICK, Ent. News, xii, 45, 1901.
b. confinis WALKER, Cat. Brit. Mus., iii, 651, 1855.
c. militaris HARRIS, Rep. Ins. Mass., 243, 1841.
d. harrisii DYAR (oblique band broken).
e. smithii DYAR (marks broken and confused).
f. vestalis PACKARD, Proc. Ent. Soc. Phil., iii, 108, 1864; HAMPSON, C. no. 2105.
841. **confusa** LYMAN, Can. Ent., xix, 185, 1887; HAMPSON, C. no. 2104. No. Atl.
States.
a. lymani DYAR (marks broken and reduced).
842. **contigua** WALKER, Cat. Brit. Mus., iii, 651, 1855; HAMPSON, C. no. 494. Atl.
States.
a. lumbonigera DYAR (outer band broken or absent).

EUERYTHRA Harvey.

HARVEY, Can. Ent., viii, 5, 1876; HAMPSON, C. 254.

843. **phasma** HARVEY, Can. Ent., viii, 5, 1876; HAMPSON, C. no. 1695. Tex.
844. **trimaculata** SMITH, Ent. Amer., iii, 17, 1887; HAMPSON, C. no. 1696. Tex.

ECPANTHERIA Hübner.

HÜBNER, Verz. bek. Schmett., 183, 1822; HAMPSON, C. 365.

845. **muzina** OBERTHUR, Étud. d'Ent., pl. 12, f. 4, 1881; HAMPSON, C. no. 1928. Tex.,
Mex.
 syn. *albicollis* OBERTHUR, *thiemei* OBERTHUR, *abscondens* OBERTHUR, *depauperata* OBERTHUR, *garzoni* OBERTHUR, *xanthonota* OBERTHUR, *yukatanensis* OBERTHUR, *sennettii* LINTNER.
846. **deflorata** FABRICIUS, Syst. Ent., 582, 1775; HAMPSON, C. no. 1918. So. Atl.
States, Mex
 syn. *scribonia* STOLL, *chryseis* OLIVIER, *occulatissima* SMITH & ABBOT.
a. confluens OBERTHUR, Étud. d'Ent., 110, 1884.
b. denudata SLOSSON, Ent. News, iii, 212, 1888.

TURUPTIANA Walker.

WALKER, Char. Lep. Het., 19, 1869; HAMPSON, C. 425.

847. **permaculata** PACKARD, Fourth Rept. Peab. Acad. Sci., 80, 1872; HAMPSON, C. no. 1995. Rocky
Mts., Ariz.
 syn. *reducta* GROTE, *cæca* STRECKER.

LEPTARCTIA Stretch.

STRETCH, Zyg. Bomb. N. A., 118, 1873; HAMPSON, C. 220.

848. **californiæ** WALKER, Cat. Brit. Mus., iii, 625, Rocky Mts.,
1855; HAMPSON, C. no. 1634. Pac. States.

syn. *lena* BOISDUVAL, *adnata* BOISDUVAL, *fulvo-fasciata* BUTLER, *wrightii* FRENCH.

- a. **decia** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 72, 1869.

syn. *boisduvalii* BUTLER, *latifasciata* BUTLER, *albifascia* FRENCH, *occidentalis* FRENCH.

- b. **dimidiata** STRETCH, Zyg. Bomb. N. A., 123, 1873.

syn. *stretchii* BUTLER.

SEIRARCTIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 119, 1864; HAMPSON, C. 422.

849. **echo** SMITH & ABBOT, Lep. Ins. Ga., ii, 135, 1797; So.
HAMPSON, C. no. 1989. States.

syn. *niobe* STRECKER.

ALEXICLES Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1882.

- *850. **aspersa** GROTE, Trans. Kans. Acad. Sci., viii, 46, N. Mex.
1882; HAMPSON, C. no. 1853.

ESTIGMENE Hübner.

HÜBNER, Verz. bek. Schmett., 184, 1822; HAMPSON, C. 338.

851. **acræa** DRURY, Ill. Exot. Ent., i, pl. 3, f. 2, 1770; U. S.,
HAMPSON, C. no. 1868. Mex.

syn. *caprotina* DRURY, *menthastrina* MARTYN, *pseuderminea* PECK, *californica* PACKARD, *packardii* SCHAUPP, *klagesii* EHRMAN.

- a. **dubia** WALKER, Cat. Brit. Mus., iii, 682, 1856.

syn. *rickseckeri* BEHR, Zoe, iv, 247, 1895; SKINNER, Ent. News, vi, 186, 1895.

- b. **mexicana** HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 345, 1901.

852. **albida** STRETCH, Zyg. Bomb. N. A., 203, 1873; So.
HAMPSON, C. no. 1869. Cal.

853. **prima** SLOSSON, Ent. Amer., v, 40, 1889; HAMPSON, No. Atl.
C. no. 1869. States.

854. **congrua** WALKER, Cat. Brit. Mus., iii, 669, 1856. Atl. States,
syn. *antigone* STRECKER; HAMPSON, C. no. 1871. Col.

- a. **athena** STRECKER, Lep. Rhop. Het., suppl. 2, 4, 1899.

HYPHANTRIA Harris.

HARRIS, Rep. Ins. Mass., 255, 1841; HAMPSON, C. 335.

855. *cunea* DRURY, Ill. Exot. Ent., i, pl. 18, f. 4, 1770; So. Atl.
HAMPSON, C. no. 1852. States.

syn. *budea* HÜBNER, *punctatissima* SMITH &
ABBOT, *punctata* FITCH, *pallida* PACKARD,
suffusa STRECKER, *brunnea* STRECKER, Lep.
Rhop. Het., suppl. 3, 28, 1900.

856. *textor* HARRIS, Rep. Ins. Mass., 255, 1841. U. S.
syn. *candida* WALKER.

ARACHNIS Geyer.

GEYER, Zutr. exot. Schmett., f. 457, 1873; HAMPSON, C. 319.

857. *picta* PACKARD, Proc. Ent. Soc. Phil., iii, 126, So.
1864; HAMPSON, C. no. 1942. Cal.,
a. maia OTTOLENGUI, Ent. News, vii, 125, 1896. Col.
b. citra NEUMOEGEN & DYAR, Ent. News, iv, 140,
1893.
c. hampsoni DYAR (HAMPSON, C. 392, subsp. 2).
d. perotensis SCHAU, Ent. Amer., v, 190, 1889.

858. *zuni* NEUMOEGEN, Ent. Amer., vi, 173, 1890; Ariz.
HAMPSON, C. no. 1944.

ISIA Walker.

WALKER, Cat. Brit. Mus., vii, 1698, 1856; *Pyrrharcia* PACKARD, Proc. Ent. Soc. Phil.,
iii, 120, 1864.

859. *isabella* SMITH & ABBOT, Lep. Ins. Ga., ii, 131, U. S.
1797; HAMPSON, C. no. 1821.
syn. *californica* PACKARD.

PHRAGMATOBIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 73, 1830; HAMPSON, C. 233.

860. *fuliginosa* LINNÆUS, Syst. Nat., i, 509, 1758; No. States,
HAMPSON, C. no. 1672. Eur.

syn. *rubricosa* HARRIS.

- a. borealis* STAUDINGER, Cat. Lep. Eur., 59, 1871.
b. fervida STAUDINGER, Cat. Lep. Eur., 59, 1871.
c. subnigra MILLIÈRE, Lep., vi, pl. 8, f. 7, 1881.
d. pulverulenta ALPHERAKY, Rom. Mém. Lép., v,
84, 1889.

861. *assimilans* WALKER, Cat. Brit. Mus., iii, 630, No. Atl.
1855; HAMPSON, C. no. 1673. States.
a. franconica SLOSSON, Ent. News, ii, 41, 1891.

DIACRISIA Hübner.

HÜBNER, Verz. bek. Schmett., 196, 1827; HAMPSON, C. 256; *Rhagonis* WALKER, Trans. Ent. Soc. Lond., (3), i, 270, 1862.

862. **virginica** FABRICIUS, Syst. Ent., suppl., 437, 1798; U. S.
HAMPSON, C. no. 1710.
- a. fumosa* STRECKER, Lep. Rhop. Het., suppl. 3,
28, 1900.
863. **latipennis** STRETCH, Zyg. Bomb. N. A., 133, 1872; Atl.
HAMPSON, C. no. 1706. States.
864. **rubra** NEUMOEGEN, Pap., i, 79, 1881; HAMPSON, No. Pac.
C. no. 1797. States.
- a. walsinghami* BUTLER, Ann. Mag. Nat. Hist.,
(5), viii, 311, 1881.
- b. danbyi* NEUMOEGEN, Ent. News, iv, 141, 1893.
865. **vagans** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac.
322, 1852; HAMPSON, C. no. 1796. States.
- syn. *pteridis* HY. EDWARDS, *bicolor* WALKER,
Trans. Ent. Soc. Lond., (3), i, 270, 1862.
- a. rufula* BOISDUVAL, Bull. Soc. Ent. Fr., (3), iii,
32, 1855.
- syn. *punctata* PACKARD, *proba* HY. EDWARDS.

MÆNAS Hübner.

HÜBNER, Verz. bek. Schmett., 167, 1827; HAMPSON, C. 247.

866. **vestalis** PACKARD, Proc. Ent. Soc. Phil., iii, 125, Pac.
1864; HAMPSON, C. no. 1680. States.
- a. amelaina* DYAR, Psyche, vi, 512, 1893.

NEOARCTIA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Ent. News, iv, 141, 1893; HAMPSON, C. 233.

867. **brucei** HY. EDWARDS, Ent. Amer., iii, 183; HAMP- Col.
SON, C. no. 1666.
868. **beanii** NEUMOEGEN, Can. Ent., xxiii, 123, 1891; No. Rocky
HAMPSON, C. no. 1670. Mts.
- a. fuscata* NEUMOEGEN, Can. Ent., xxiii, 124, 1891.
- *869. **yarrowi** STRETCH, Zyg. Bomb. N. A., 221, 1873; Ariz.,
HAMPSON, C. no. 1671. Can.
- a. remissa* HY. EDWARDS, Ent. Amer., iii, 184, 1888.

HYPHORAIA Hübner.

HÜBNER, Verz. bek. Schmett., 182, 1822; HAMPSON, C. 232.

870. **lapponica** THUNBERG, Diss. Ent., ii, 40, 1791; Arctic
HAMPSON, C. no. 1635. Am.
syn. *hyperborea* CURTIS, *alpina* QUENSEL, *thulea*
DALMAN, *avia* HÜBNER.
871. **subnebulosa** DYAR, Ent. News, x, 130, 1899; Alaska.
HAMPSON, C. no. 1635a.
872. **parthenos** HARRIS, Agassiz's Lake Sup., 309, pl. No. Atl.
7, f. 4, 1850; HAMPSON, C. no. 1639. States.
syn. *borealis* MÖSCHLER.

PLATYPREPIA Dyar.

DYAR, Can. Ent., xxix, 215, 1897.

873. **virginalis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, No. Pac.
321, 1852; SMITH, Can. Ent., xxi, 215, 1889. States, Col.
syn. *ochracea* STRETCH.
a. guttata BOISDUVAL, Ann. Soc. Ent. Fr., (2), x,
321, 1852.

APANTESIS Walker.

WALKER, Cat. Brit. Mus., iii, 631, 1855; HAMPSON, C. 395.

874. **virgo** LINNÆUS, Syst. Nat., 501, 1758; HAMPSON, Atl. ~
C. no. 1948. States.
a. citrinaria NEUMOEGEN & DYAR, Ent. News, iv,
142, 1893.
875. **virguncula** KIRBY, Faun. Bor. Am., iv, 304, 1837; No. Atl.
HAMPSON, C. no. 1957; GIBSON, Can. Ent., xxxiii, States.
325, 1901.
syn. *speciosa* MÖSCHLER.
a. otiosa NEUMOEGEN & DYAR, Ent. News, iv, 142,
1893.
876. **michabo** GROTE, Can. Ent., vii, 197, 1875; HAMP- Atl.
SON, C. no. 1951. States.
a. minea SLOSSON, Ent. News, iii, 257, 1892.
877. **intermedia** STRETCH, Zyg. Bomb. N. A., 216, 1874; So. Atl.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 7, States.
1894.
a. stretchii GROTE, Can. Ent., vii, 197, 1875.
878. **parthenice** KIRBY, Faun. Bor. Am., iv, 204, 1837; No. Atl.
HAMPSON, C. no. 1949. States.
syn. *saundersii* GROTE.
a. approximata STRETCH, Ent. Amer., i, 104, 1885.

879. **oithona** STRECKER, Lep. Rhop. Het., 131, 1877. Atl. States,
a. rectilinea FRENCH, Can. Ent., xi, 45, 1879; Miss.
HAMPSON, C. no. 1950. Vall.
880. **anna** GROTE, Proc. Ent. Soc. Phil., ii, 433, 1863; Atl.
HAMPSON, C. no. 1955. States.
- a. persephone* GROTE, Proc. Ent. Soc. Phil., ii,
433, 1863.
881. **ornata** PACKARD, Proc. Ent. Soc. Phil., iii, 114, Pac.
1864; HAMPSON, C. no. 1953. States.
- syn. simplicior* BUTLER, *perpicta* DYAR.
- a. achaia* GROTE & ROBINSON, Trans. Am. Ent.
Soc., i, 334, 1867.
- syn. edwardsii* STRETCH.
- b. ochracea* STRETCH, Zyg. Bomb. N. A., 125, 1872.
- syn. barda* HY. EDWARDS.
882. **arge** DRURY, Ill. Exot. Ent., i, 35, 1770; HAMP- U. S.
SON, C. no. 1952.
- syn. dione* FABRICIUS, *incarnatorubra* GOEZE,
caelebs MARTYN, *nerea* BOISDUVAL, *doris* BOIS-
DUVAL.
- a. nervosa* NEUMOEGEN & DYAR, Ent. News, iv,
142, 1893.
883. **quenselii** PAYKULL, Act. Hafn., ii, 99, 1793; Arctic Am.,
HAMPSON, C. no. 1956. Eur.
- syn. strigosa* FABRICIUS, *gelida* MÖSCHLER,
liturata MÉNÉTRIES, *complicata* WALKER.
- a. turbans* CHRISTOPH, Iris, v, 349, 1892.
- *884. **obliterata** STRETCH, Ent. Amer., i, 105, 1885; (Unknown.)
HAMPSON, C. no. 1954.
885. **proxima** GUÉRIN-MÉNEVILLE, Icon. Reg. An., ii, So. Cal. to
514, 1844; HAMPSON, C. no. 1958. Utah, Mex.
- syn. docta* WALKER, *mexicana* GROTE & ROB-
INSON, *arizonensis* STRETCH, *mormonica* NEU-
MOEGEN.
- a. antholea* BOISDUVAL, Ann. Soc. Ent. Belg., xii,
76, 1869.
- *886. **cervinoides** STRECKER, Proc. Acad. Nat. Sci. Phil., Col.
xxviii, 151, 1876; HAMPSON, C. no. 1962.
887. **blakei** GROTE, Proc. Ent. Soc. Phil., iii, 523, Rocky Mts.,
1864. Cal.
- syn. bolanderi* STRETCH; HAMPSON, C. no. 1959.
888. **nevadensis** GROTE & ROBINSON, Proc. Ent. Soc. Rocky Mts.
Phil., vi, 1, 1866; HAMPSON, C. no. 1961. to Pacific.
- syn. behrii* STRETCH.
- a. incorrupta* HY. EDWARDS, Pap., i, 38, 1881.
- syn. shastaensis* FRENCH.

b. superba STRETCH, Zyg. Bomb. N. A., 227, 1873;
HAMPSON, C. no. 1963.

syn. *geneura* STRECKER.

c. sulphurica NEUMOEGEN, Ent. Amer., i, 93, 1885.

syn. *ochracea* NEUMOEGEN, *elongata* STRETCH.

889. *williamsii* DODGE, Can. Ent., iii, 167, 1871.
syn. *villiamsi* HAMPSON, C. no. 1964.

Rocky
Mts.

a. determinata NEUMOEGEN, Pap., i, 28, 1881.

syn. *dicckii* NEUMOEGEN.

890. *phyllira* DRURY, Ill. Exot. Ent., i, 15, 1770;
HAMPSON, C. no. 1965.

So. Atl.
States.

syn. *b-ata* GOEZE, *plantaginis* MARTYN, *dodgei*
BUTLER.

a. excelsa NEUMOEGEN, Pap., iii, 70, 1883.

syn. *lugubris* HULST.

b. favorita NEUMOEGEN, Ent. Amer., vi, 173,
1890; HAMPSON, C. no. 1960.

891. *celia* SAUNDERS, Proc. Ent. Soc. Phil., ii, 59,
1863.

No. Atl.
States.

syn. *francoica* HY. EDWARDS.

892. *figurata* DRURY, Ill. Exot. Ent., ii, pl. 12, f. 4,
1770.

So. States.

syn. *ceramica* HÜBNER, *f-pallida* STRECKER.

893. *placentia* SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 65.
1797; HAMPSON, C. no. 1968.

So. States.

a. snowi GROTE, Can. Ent., vii, 197, 1875.

syn. *quadranotata* STRECKER.

b. flammea NEUMOEGEN, Pap., i, 9, 1881.

894. *nais* DRURY, Ill. Exot. Ent., i, pl. 7, f. 3, 1770;
HAMPSON, C. no. 1967.

Atl.
States.

syn. *cuneata* GOEZE, *defloriana* MARTYN,
ochreata, BUTLER.

895. *vittata* FABRICIUS, Mant. Ins., ii, 127, 1787;
HAMPSON, C. no. 1966.

Atl.
States.

syn. *decorata* SAUNDERS.

a. radians WALKER, Cat. Brit. Mus., iii, 632, 1855.

syn. *colorata* WALKER, *incompleta* BUTLER.

b. phalerata HARRIS, Cat. Ins. Mass., 73, 1837.

syn. *rhoda* BUTLER.

KODIOSOMA Stretch.

STRETCH, Zyg. Bomb. N. A., 67, 1872; HAMPSON, C. 413.

896. **fulva** STRETCH, Zyg. Bomb. N. A., 67, 1872; Cal.
HAMPSON, C. no. 1970.
a. nigra STRETCH, Zyg. Bomb. N. A., 68, 1872.
b. eavesii STRETCH, Zyg. Bomb. N. A., 69, 1872.
c. tricolor STRETCH, Zyg. Bomb. N. A., 68, 1872.

ECTYPIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 529, 1860; HAMPSON, C. 475.

897. **bivittata** CLEMENS, Proc. Acad. Nat. Sci. Phil., Tex.
xii, 529, 1860; HAMPSON, C. no. 2076.
syn. nigroflava GRAEF.
 *898. **thona** STRECKER, Lep. Rhop. Het., suppl., 4, 1899; New
HAMPSON, C. no. 2075. Mex.

EUVERNA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Ent. News, iv, 141, 1893; HAMPSON, C. 457.

899. **clio** PACKARD, Proc. Ent. Soc. Phil., iii, 120, 1864; Rocky Mts.,
HAMPSON, C. no. 2053. So. Cal.
a. jessica BARNES, Can. Ent., xxxii, 45, 1900.

PARASEMIA Hübner.

HÜBNER, Verz. bek. Schmett., 121, 1822; HAMPSON, C. 458.

900. **plantaginis** LINNÆUS, Syst. Nat., i, 501, 1758; No. Pac.
HAMPSON, C. no. 2054. States, Eur.
syn. alpicola SCOPOLI, *hospita* DENIS & SCHIFF-
 FERMÜLLER, *matronalis* FREY, *caucasica* HER-
 RICH-SCHAEFFER, *petrosa* WALKER, *nictitans*
 MÉNÉTRIES, *cespitalis* GROTE & ROBINSON,
chicorii GROTE & ROBINSON, *macromera* BUT-
 LER, *leucomera* BUTLER, *melanomera* BUTLER,
selwynii NEUMOEGEN, *floccosa* GRAESER, *syfa-*
mia GRUMM-GRSHIMAYLO, *melas* CHRISTOPH,
flava KILIAN.
a. modesta PACKARD, Proc. Ent. Soc. Phil., iii,
 113, 1864.
b. scudderi PACKARD, Proc. Ent. Soc. Phil., iii,
 113, 1864.
c. geometrica GROTE, Proc. Ent. Soc. Phil., iv,
 318, 1865.
d. geddesi NEUMOEGEN, Pap., iii, 137, 1883.

LERINA Walker.

WALKER, Cat. Brit. Mus., ii, 477, 1854.

901. **incarnata** WALKER, Cat. Brit. Mus., ii, 477, 1854; MEX.,
 DRUCE, Biol. Cent. Am., Lep. Het., ii, 394, pl. Ariz.?
 77, f. 14, 1897.
 syn. *robinsonii* BOISDUVAL; NEUMOEGEN &
 DYAR, Jn. N. Y. Ent. Soc., i, 107, 1893.

PYGOCTNUCHA Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883; *Protosia* HAMPSON, C. ii, 255, 1900.

902. **terminalis** WALKER, Cat. Brit. Mus., ii, 478, 1854. Mex., Ariz.
 syn. *harrisii* BOISDUVAL, Ann. Soc. Ent. Belg.,
 xii, 72, 1869; *pyrrhoura* HULST., *votiva* HY.
 EDWARDS; NEUMOEGEN & DYAR, Jn. N. Y.
 Ent. Soc., i, 107, 1893.
- *903. **funerea** GROTE, Trans. Kans. Acad. Sci., viii, 46, N. Mex.
 1883.

ARCTIA Schrank.

SCHRANK, Faun. Boica, ii, (2), 151, 1802; HAMPSON, C. 463.

904. **caia** LINNÆUS, Syst. Nat., 500, 1758; HAMPSON, No. U. S.,
 C. no. 2059. Eur.
- syn. *erinacea* RETZIUS, *phæosoma* BUTLER, *orien-*
talis MOORE.
- a. **americana** HARRIS, Rep. Ins. Mass., 246, 1841.
 b. **wiskotti** STAUDINGER, Hor. Ent. Soc. Ross.,
 xiv, 333, 1878.
 syn. *utahensis* HY. EDWARDS, *auripennis* BUT-
 LER, *transmontana* NEUMOEGEN & DYAR.
- c. **opulenta** HY. EDWARDS, Pap., i, 30, 1881.

AMMALO Walker.

WALKER, Cat. Brit. Mus., iii, 622, 1855; HAMPSON, C. 83.

905. **tenera** HÜBNER, Zutr. exot. Schmett., i, 7, f. 3, 4, Atl.
 1818; HAMPSON, C. no. 1340. States.
- syn. *collaris* FITCH, *antica* WALKER.
- a. **sciurus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, Cal.
 79, 1869.
- syn. *yosemiteæ* HY. EDWARDS.
906. **insulata** WALKER, Cat. Brit. Mus., iii, 734, 1855; Fla.,
 HAMPSON, C. no. 1339. Antilles.
- syn. *cadaverosa* GROTE, *affinis* GROTE, *aurata*
 BUTLER.

907. **eglenensis** CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 533, 1860; HAMPSON, C. no. 1341. So. Atl. States.
a. inopinatus HY. EDWARDS, Pap., ii, 13, 1882.

EUCHÆTIAS Lyman.

LYMAN, Can. Ent., xxxiv, 27, 1902; *Euchætes* HARRIS (not DEJEAN), Rep. Ins. Mass., 257, 1841; HAMPSON, C. 417.

908. **murina** STRETCH, Ent. Amer., i, 106, 1885; HAMPSON, C. no. 1983. Tex.
909. **bolteri** STRETCH, Ent. Amer., i, 106, 1885; HAMPSON, C. no. 1984. Tex.
syn. ♂ scepiformis GRAEF.
910. **egle** DRURY, Ill. Exot. Ent., ii, pl. 20, f. 3, 1773; HAMPSON, C. no. 1985. Atl. States.
a. cyclica HY. EDWARDS, Pap., iii, 148, 1883.
911. **oregonensis** STRETCH, Zyg. Bomb. N. A., 187, 1873; HAMPSON, C. no. 1986. No. States.
912. **pudens** HY. EDWARDS, Pap., ii, 126, 1882; HAMPSON, C. no. 1987. Tex.
913. **perlevis** GROTE, Can. Ent., xiv, 196, 1882; HAMPSON, C. no. 1981. Ariz.
- *914. **antica** WALKER, Cat. Brit. Mus., vii, 1708, 1856; HAMPSON, C. no. 1979. Ariz., Mex.
syn. zonalis GROTE.
914. 1. **expressa** HY. EDWARDS, Pap., iv, 60, 1884; HAMPSON, C. no. 1982. Ariz., Mex.

PYGARCTIA Grote

GROTE, Can. Ent., iii, 124, 1871; HAMPSON, C. 415.

915. **abdominalis** GROTE, Can. Ent., iii, 124, 1871; HAMPSON, C. no. 1975. Fla.
916. **vivida** GROTE, Pap., ii, 131, 1882; HAMPSON, C. no. 1974. Tex.
917. **spraguei** GROTE, Can. Ent., vii, 200, 1875; HAMPSON, C. no. 1973. Col., Kans.
syn. conspicua NEUMOEGEN.
918. **elegans** STRETCH, Zyg. Bomb. N. A., 189, 1873; HAMPSON, C. no. 1976. Cal., Ariz., Mex.
a. roseicapitis NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 166, 1890.

HALISIDOTA Hübner.

HÜBNER, Verz. bek. Schmett., 170, 1822; HAMPSON, C. 145.

919. **tessellaris** SMITH & ABBOT, Lep. Ins. Ga., ii, 149, 1797; HAMPSON, C. no. 1498. Atl. States.
syn. *antiphola* WALSH.
920. **harrisii** WALSH, Proc. Ent. Soc. Phil., iii, 430, 1864. Atl. States.
921. **cinctipes** GROTE, Proc. Ent. Soc. Phil., v, 242, 1865; HAMPSON, C. no. 1497. Fla., Tex., Ariz., So. Am.
syn. *davisii* HY. EDWARDS.
922. **maculata** HARRIS, Rep. Ins. Mass., 259, 1841; HAMPSON, C. no. 1481. No. Atl. States.
syn. *fulvoflava* WALKER, *guttifera* HERRICH-SCHAEFFER.
- a. angulifera* WALKER, Lord's Trav. Vanc., ii, 355, 1866. No. Pac. States, Rocky Mts. Cal.
syn. *alni* HY. EDWARDS.
- b. agassizii* PACKARD, Proc. Ent. Soc. Phil., iii, 128, 1864.
syn. *californica* WALKER, *salicis* BOISDUVAL.
923. **caryæ** HARRIS, Rep. Ins. Mass., 258, 1841; HAMPSON, C. no. 1479. Atl. States.
syn. *annulifascia* WALKER, *porphyria* HERRICH-SCHAEFFER.
- *924. **pura** NEUMOEGEN, Pap., ii, 133, 1882; HAMPSON, C. no. 1508. Ariz.
925. **longa** GROTE, Can. Ent., xii, 213, 1880; HAMPSON, C. no. 1508. Fla.
- *926. **otho** BARNES, Can. Ent., xxxiii, 53, 1901. Ariz.

HYPOCRISIAS Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 216, 1901.

- *927. **minima** NEUMOEGEN, Pap., iii, 138, 1887; HAMPSON, C. no. 1628. Ariz.
syn. *armillata* HY. EDWARDS.

HEMIHYALEA Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 129, 1901.

928. **edwardsii** PACKARD, Proc. Ent. Soc. Phil., iii, 129, 1864; HAMPSON, C. no. 1437. Cal.
syn. *translucida* WALKER, *quercus* BOISDUVAL.
929. **labecula** GROTE, Pap., i, 174, 1881; HAMPSON, C. no. 1438. Col.

EUSCHAUSIA Dyar.

DYAR, Can. Ent., xxix, 209, 1897.

930. **argentata** PACKARD, Proc. Ent. Soc. Phil., iii, 129, 1864; HAMPSON, C. no. 1476. No. Pac. States.
a. subalpina FRENCH, Can. Ent., xxii, 47, 1890. Col.
b. sobrina STRETCH, Zyg. Bomb. N. A., 87, 1873. Cal.
- *931. **mixta** NEUMOEGEN, Pap., ii, 133, 1882; HAMPSON, C. no. 1479, subsp. 2. Ariz.
932. **ingens** HY. EDWARDS, Pap., i, 39, 1881; HAMPSON, C. no. 1477. Rocky Mts.
syn. scapularis STRETCH.

ÆMILIA Kirby.

KIRBY, Cat. Lep. Het., i, 218, 1892; HAMPSON, C. 182.

933. **ambigua** STRECKER, Proc. Dav. Acad. Sci., ii, 272, 1878; HAMPSON, C. no. 1554. Rocky Mts.
syn. bolteri HY. EDWARDS, *syracusia* DRUCE.
- *934. **roseata** WALKER, App. Lord's Trav. Vanc., 336, 1866; HAMPSON, C. no. 1555. Pac. States.
syn. cinnamomea BOISDUVAL, *sanguivenosa* NEUMOEGEN.
a. significans HY. EDWARDS, Ent. Amer., iii, 182, 1888.
- *935. **occidentalis** FRENCH, Can. Ent., xxii, 46, 1890. Rocky Mts.

EUPSEUDOSOMA Grote.

GROTE, Proc. Ent. Soc. Phil., v, 240, 1865; HAMPSON, C. 27.

936. **involutum** SEPP, Surin. Vlind., iii, pl. 115, 1852; HAMPSON, C. no. 1229. So. Am., Fla.
syn. nirea HERRICH-SCHAEFFER.
a. floridum GROTE, Can. Ent., xiv, 187, 1882.
syn. immaculata GRAEF.

CALIDOTA Dyar.

DYAR, Proc. U. S. Nat. Mus., xxiii, 368, 1900; HAMPSON, C. 432.

937. **strigosa** WALKER, Cat. Brit. Mus., iii, 736, 1855; HAMPSON, C. no. 2004. Fla., Antilles.
syn. cubensis GROTE, *laqueata* HY. EDWARDS.
938. **muricolor** DYAR, Jn. N. Y. Ent. Soc., vi, 38, 1898; HAMPSON, C. no. 2011. Ariz.

939. **zella** DYAR. (Brownish gray, a slightly angular yellowish discal dot; hind wing subhyaline, whitish; abdomen crimson above with small dorsal black points; exp. 25 mm.) Ariz.

BERTHOLDIA Schaus.

SCHAUS, Jn. N. Y. Ent. Soc., iv, 137, 1896; HAMPSON, C. 78.

940. **trigona** GROTE, No. Am. Ent., i, 46, 1879; HAMPSON, C. no. 1332. Col., N. Mex.

PHEGOPTERA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Auss. Schmett., 16, 1850; HAMPSON, C. 117.

941. **astur** CRAMER, Pap. Exot., ii, pl. 120, f. B, 1779; HAMPSON, C. no. 1433. Ariz., Mex., So. Am.
syn. *albicans* WALKER, *maculicollis* WALKER, *prustulata* PACKARD.

Family **AGARISTIDÆ**.

(C. = HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, pp. 515-663, 1901.)

MISA Karsch.

KARSCH, Ent. Nach., 349, 1895; HAMPSON, C. 622.

942. **sabulosa** BOISDUVAL, Rev. Zool., ii, (3), 106, 1874; HAMPSON, C. no. 163. Ariz., Mex.
syn. *noctuiiformis* MÖSCHLER.

ANDROLOMA Grote.

GROTE, Bull. Buff. Soc. Nat. Sci., i, 30, 1873.

943. **mac-cullochii** KIRBY, Faun. Bor. Am., iv, 301, 1837; HAMPSON, C. no. 179. Can., Rocky Mts.
a. lorquini GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 328, 1868.
944. **similis** STRETCH, Zyg. Bomb. N. A., 14, 1872. Cal.
syn. *edwardsii* BOISDUVAL.
a. conjuncta HY. EDWARDS, Pap., iii, 34, 1883.
- *945. **disparata** HY. EDWARDS, Pap., iv, 13, 1884; HAMPSON, C. no. 180. Tex., Mex.
syn. *gracilentata* GRAEF, *desperata* KIRBY.
- *946. **brannani** STRETCH, Zyg. Bomb. N. A., 8, 1872; HAMPSON, C. no. 181. Cal.

ALYPIA Hübner.

HÜBNER, Verz. bek. Schmett., 351, 1825; HAMPSON, C. 635.

947. **ridingsii** GROTE, Proc. Ent. Soc. Phil., iii, 521, 1864; HAMPSON, C. no. 179. Rocky Mts.
948. **mariposa** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 329, 1868; HAMPSON, C. no. 185. Cal.
a. lunata STRETCH, Zyg. Bomb. N. A., 15, 1872.
949. **octomaculata** FABRICIUS, Syst. Ent., 830, 1775; HAMPSON, C. no. 182. Atl. States.
 syn. *bimaculata* GMELIN, *quadriguttalis* HÜBNER, *matuta* HY. EDWARDS.
a. albomaculata STOLL, Pap. Exot., pl. 345, f. C, 1782.
950. **wittfeldii** HY. EDWARDS, Pap., iii, 34, 1883. Fla.
- *951. **dipsaci** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 326, 1868; HAMPSON, C. no. 183. Tex., Mex.
952. **langtonii** COUPER, Can. Nat., (2), ii, 64, 1865; HAMPSON, C. no. 184. Can., Cal.
 syn. *sacramenti* GROTE & ROBINSON, *hudsonica* HY. EDWARDS.

ALYPIODES Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883; HAMPSON, C. 641.

953. **bimaculata** HERRICH-SCHAEFFER, Ausser. Schmett., f. 26, 1853; HAMPSON, C. no. 187. So. Cal., Mex., N. Mex.
 syn. *trimaculata* BOISDUVAL.
a. crescens WALKER, Cat. Brit. Mus., vii, 1774 1856.
 syn. *grotei* BOISDUVAL, *flavilinguis* GROTE.
b. dugesii COCKERELL, Ent. News, vi, 201, 1895.

PSEUDALYPIA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 101, 1874; HAMPSON, C. 634.

- *954. **crotchii** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 101, 1874; HAMPSON, C. no. 178. Cal.
a. atrata HY. EDWARDS, Pap., iv, 121, 1884.
955. **geronimo** BARNES, Can. Ent., xxxii, 44, 1900. Ariz.

COPIDRYAS Grote.

GROTE, Can. Ent., viii, 99, 1876.

956. **gloveri** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 185, 1868; HAMPSON, C. no. 154. Tex., Ariz.

Family NOCTUIDÆ.

(C.=SMITH, Bull. 44, U. S. Nat. Mus., 1893.)

Subfamily NOCTUINÆ.

PANTHEA Hübner.

HÜBNER, Verz. bek. Schmett., 203, 1816; SMITH, C. 31.

957. **furcilla** PACKARD, Proc. Ent. Soc. Phil., iii, 374, 1864; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 15, 1898. Atl.
States.
958. **portlandia** GROTE, Mitth. Roem. Mus. Hild., 14, 1896; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 17, 1898. Pac.
States.
959. **gigantea** FRENCH, Can. Ent., xxii, 134, 1890; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 16, 1898. Col.
960. **acronyctoides** WALKER, Can. Nat. Geol., vi, 37, 1861; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 18, 1898. Atl.
States.
 syn. *leucomelana* MORRISON, *cucomelana* SMITH, C. 31.

DEMAS Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 59, 1829.

961. **propinquilinea** GROTE, Trans. Am. Ent. Soc., iv, 293, 1873; SMITH C. 32; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 20, 1898. Atl.
States.
962. **flavicornis** SMITH, Bull. Brook. Ent. Soc., vii, 3, 1884; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 22, 1898. Atl.
States.
963. **palata** GROTE, Can. Ent., xii, 258, 1880; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 23, 1898. Col.,
Ariz.

CHARADRA Walker.

WALKER, Cat. Brit. Mus., xxxii, 445, 1865.

964. **deridens** GUENÉE, Spec. Gén., v, 35, 1852; SMITH, C. 32; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 25, 1898. Atl.
States.
 syn. *circulifera* WALKER, *contigua* WALKER.
965. **dispulsa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 213, 1874; SMITH, C. 33; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 27, 1898. So.
States.

- 966 **decora** MORRISON, Proc. Acad. Nat. Sci. Phil., 55, 1875; SMITH, C. 33; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 28, 1898. Mex., Ariz.?
 syn. *felina* DRUCE, Biol. Cent. Am., Lep. Het., ii, 471, 1898.

- *967. **illudens** WALKER, Cat. Brit. Mus., ix, 37, 1856. Mex., Fla.
 syn. *pythion* DRUCE, Biol. Cent. Am., Lep. Het., i, 259, 1889; ii, 471, 1892.

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HÜBNER, Verz. bek. Schmett., 212, 1816; *Certila* WALKER, Cat. Brit. Mus., xxxii, 448, 1865; *Saligena* WALKER, Cat. Brit. Mus., xxxii, 605, 1865.

968. **frater** GROTE, Proc. Ent. Soc. Phil., ii, 435, 1863; SMITH, C. 32. Atl. States.
 syn. *personata* WALKER, *flexuosa* WALKER, Cat. Brit. Mus., xxxii, 449, 1865.

969. **coloradensis** PUTNAM-CRAMER, Ent. Am., ii, 142, 1886; SMITH, C. 32. Col., Cal.
 syn. *pallula* HY. EDWARDS.

970. **abrupta** GROTE, Proc. Ent. Soc. Phil., ii, 336, 1863; SMITH, C. 32. Atl. States, Col.

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HÜBNER, Tent., 1810; *Acronicta* OCHSENHEIMER, Schin. Eur., iv, 62, 1816; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 28, 1898; *Triana* HÜBNER, Verz. bek. Schmett., 200, 1816; *Hyboma* HÜBNER, Verz. bek. Schmett., 200, 1816; *Jochara* HÜBNER, Verz. bek. Schmett., 201, 1816; *Arctomyia* HÜBNER, Verz. bek. Schmett., 202, 1816; *Phaetrea* HÜBNER, Verz. bek. Schmett., 202, 1816; *Megacronycta* GROTE, Bull. Buff. Soc., i, 79, 1873; *Lepitorea* GROTE, Bull. Buff. Soc., i, 80, 1873; *Eulonche* GROTE, Bull. Buff. Soc., i, 81, 1873; *Mastiphanes* GROTE, New Ch. List, 23, 1882; *Merolonche* GROTE, New Ch. List, 23, 1882; *Cuspidia* CHAPMAN, Ent. Rec., i, 27, 1890; *Viminia* CHAPMAN, Ent. Rec., i, 26, 1890; *Tricholonche* GROTE, Die Apateliden, 16, 1896; *Philorgyia* GROTE, Die Apateliden, 17, 1896.

971. **rubricoma** GUENÉE, Spec. Gén., v, 49, 1852; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 42, 1898. So. Atl. States.

972. **americana** HARRIS, Rep. Ins. Mass., 317, 1841; SMITH, C. 40. Atl. States.
 syn. *acericola* GUENÉE, Spec. Gén., v, 48, 1852; SMITH, C. 41; *obscura* HY. EDWARDS, Ent. Amer., ii, 169, 1886; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 44, 1898.

973. **hastulifera** SMITH & ABBOT, Lep. Ins. Ga., ii, 183, 1797; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 47, 1898. Atl. States.

974. **hesperida** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 49, 1898. Pac. States.

975. **dactylina** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 40; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 51, 1898. Atl. States.
976. **felina** GROTE, Bull. Geol. Surv. Terr., v, 208, 1880; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 53, 1898. Pac. States.
977. **frigida** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 54, 1898. Pac. States.
978. **pacifica** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 56, 1898. Pac. States.
979. **insita** WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 56, 1898. Atl. States.
980. **canadensis** SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 57, 1898; SMITH, Can. Ent., xxxii, 334, 1900. No. Rocky Mts.
981. **cretata** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 58, 1898. Col.
982. **leporina** LINNÆUS, Syst. Nat., 109, 1766; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 59, 1898. Atl. States, Eur.
syn. *vulpina* GROTE; SMITH, C. 40; *sancta* HY. EDWARDS.
983. **populi** RILEY, 2d Rept. Ins. Mo., 119, 1870; SMITH, C. 40; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 61, 1898. Atl. States.
984. **lepusculina** GUENÉE, Spec. Gén., v, 46, 1852; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 63, 1898. Atl. States.
985. **cinderella** SMITH, Ent. News, viii, 149, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 64, 1898. Rocky Mts.
986. **transversata** SMITH, Ent. News, viii, 149, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 65, 1898. Col.
987. **tota** GROTE, No. Am. Ent., i, 12, 1879; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 66, 1898. Tex.
988. **innotata** GUENÉE, Spec. Gén., v, 50, 1852; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 73, 1898. Atl. States.
syn. *graeffi* GROTE.
989. **betulæ** RILEY, Bull. Brook. Ent. Soc., vii, 2, 1884; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxxi, 75, 1898. Atl. States.

990. **morula** GROTE, Trans. Am. Ent. Soc., ii, 196, 1868; SMITH, C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 76, 1898. Atl. States.
syn. *ulmi* HARRIS.
991. **interrupta** GUENÉE, Spec. Gén., v, 46, 1852. Atl. States.
syn. *occidentalis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 16, 1866; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 79, 1898.
992. **lætifica** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 89, 1898. Atl. States.
993. **lobeliæ** GUENÉE, Spec. Gén., v, 44, 1852; SMITH C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 82, 1898. Atl. States.
994. **furcifera** GUENÉE, Spec. Gén., v, 44, 1852; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 85, 1898. Atl. States.
995. **hasta** GUENÉE, Spec. Gén., v, 45, 1852; SMITH, C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 87, 1898. Atl. States.
syn. *telum* GUENÉE.
996. **manitoba** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 90, 1898. Man.
997. **thoracica** GROTE, No. Am. Ent., i, 94, 1879; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 91, 1898. N. Mex.
998. **strigulata** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 92, 1898. Col.
999. **radcliffei** HARVEY, Bull. Buff. Soc., ii, 270, 1875; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 107, 1898. Atl. States.
1000. **quadrata** GROTE, Bull. Buff. Soc., ii, 154, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 106, 1898. So. States.
1001. **spinigera** GUENÉE, Spec. Gén., v, 45, 1852; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 122, 1898. Atl. States.
syn. *harveyana* GROTE, Proc. Acad. Nat. Sci. Phil., 418, 1875; SMITH, C. 39.
1002. **clarescens** GUENÉE, Spec. Gén., v, 54, 1852. Atl. States.
syn. *pruni* HARRIS, Ent. Corr., 313, 1869; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 123, 1898; SMITH, Can. Ent., xxxii, 335, 1900.

1003. **hamamelis** GUENÉE, Spec. Gén., v, 52, 1852; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 141, 1898. Atl. States.
syn. *subochrea* GROTE, Bull. Buff. Soc., ii, 153, 1874; SMITH, C. 42.
1004. **superans** GUENÉE, Spec. Gén., v, 53, 1852; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 119, 1898. Atl. States.
1005. **lithospila** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 240, 1874; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 89, 1898. Atl. States.
1006. **tritona** HÜBNER, Zutr. exot. Schmett., f. 107, 1818; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 104, 1898. Atl. States.
1007. **connecta** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 115, 1898; DYAR, Jn. N. Y. Ent. Soc., vii, 253, 1899. Atl. States.
1008. **funeralis** GROTE, Proc. Ent. Soc. Phil., vi, 17, 1866; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 102, 1898. No. Atl. States.
1009. **fragilis** GUENÉE, Spec. Gén., v, 34, 1852; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 94, 1898. No. Atl. States.
syn. *spectans* WALKER.
1010. **minella** DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. Col.
1011. **paupercula** GROTE, Proc. Acad. Nat. Sci. Phil., 197, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 97, 1898. Tex.
1012. **vinnula** GROTE, Proc. Ent. Soc. Phil., ii, 436, 1864; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 93, 1898. Atl. States.
1013. **revellata** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 112, 1898. Col.
1014. **grisea** WALKER, Cat. Brit. Mus., ix, 56, 1856; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 113, 1898. Atl. States.
syn. *pudorata* MORRISON.
1015. **mansueta** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 100, 1898. Pac. States.
- *1016. **falcula** GROTE, Can. Ent., ix, 86, 1877; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 109, 1898. Miss. Vall.
1017. **parallela** GROTE, Can. Ent., ix, 53, 1877; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 110, 1898. Tex.

1018. **afflicta** GROTE, Proc. Ent. Soc. Phil., ii, 438, 1864; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 127, 1898. Atl. States.
1019. **persuasa** HARVEY, Bull. Buff. Soc., ii, 271, 1875; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 130, 1898. Tex.
1020. **liturata** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 129, 1898. Col.
1021. **marmorata** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 131, 1898. Mont., Cal.
1022. **albarufa** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 134, 1898. Atl. States.
syn. *walkeri* ANDREWS.
1023. **increta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 131, 1874; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 144, 1898. Atl. States.
1024. **modica** WALKER, Cat. Brit. Mus., ix, 56, 1856; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 138, 1898. Atl. States.
syn. *exilis* GROTE.
1025. **ovata** GROTE, Bull. Buff. Soc., i, 80, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 135, 1898. Atl. States.
1026. **brumosa** GUENÉE, Spec. Gén., v, 52, 1852; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 117, 1898. Atl. States.
syn. *inclara* SMITH, Can. Ent., xxxii, 335, 1900.
1027. **hæsitata** GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 140, 1898. Atl. States.
1028. **retardata** WALKER, Can. Nat. Geol., vi, 38, 1861; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 145, 1898. Atl. States.
syn. *dissecta* GROTE & ROBINSON.
1029. **sperata** GROTE, Bull. Buff. Soc., i, 81, 1873; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 154, 1898. Atl. States.
1030. **noctivaga** GROTE, Proc. Ent. Soc. Phil., ii, 437, 1864; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 156, 1898. Atl. States.
1031. **impressa** WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 159, 1898 (larva of *distant* in error). Atl. States.

1003. **hamamelis** GUENÉE, Spec. Gén., v, 52, 1852; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 141, 1898. Atl. States.
syn. *subochrea* GROTE, Bull. Buff. Soc., ii, 153, 1874; SMITH, C. 42.
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1006. **tritona** HÜBNER, Zutr. exot. Schmett., f. 107, 1818; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 104, 1898. Atl. States.
1007. **connecta** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 115, 1898; DYAR, Jn. N. Y. Ent. Soc., vii, 253, 1899. Atl. States.
1008. **funeralis** GROTE, Proc. Ent. Soc. Phil., vi, 17, 1866; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 102, 1898. No. Atl. States.
1009. **fragilis** GUENÉE, Spec. Gén., v, 34, 1852; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 94, 1898. No. Atl. States.
syn. *spectans* WALKER.
1010. **minella** DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. Col.
1011. **paupercula** GROTE, Proc. Acad. Nat. Sci. Phil., 197, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 97, 1898. Tex.
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syn. *pudorata* MORRISON.
1015. **mansueta** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 100, 1898. Pac. States.
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1017. **parallela** GROTE, Can. Ent., ix, 53, 1877; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 110, 1898. Tex.

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1020. **litrata** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 129, 1898. Col.
1021. **marmorata** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 131, 1898. Mont., Cal.
1022. **albarufa** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 134, 1898. Atl. States.
syn. *walkeri* ANDREWS.
1023. **increta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 131, 1874; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 144, 1898. Atl. States.
1024. **modica** WALKER, Cat. Brit. Mus., ix, 56, 1856; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 138, 1898. Atl. States.
syn. *exilis* GROTE.
1025. **ovata** GROTE, Bull. Buff. Soc., i, 80, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 135, 1898. Atl. States.
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syn. *inclara* SMITH, Can. Ent., xxxii, 335, 1900.
1027. **hæsitata** GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 140, 1898. Atl. States.
1028. **retardata** WALKER, Can. Nat. Geol., vi, 38, 1861; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 145, 1898. Atl. States.
syn. *dissecta* GROTE & ROBINSON.
1029. **sperata** GROTE, Bull. Buff. Soc., i, 81, 1873; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 154, 1898. Atl. States.
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1031. **impressa** WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 159, 1898 (larva of *distant* in error). Atl. States.

syn. *fasciata* WALKER, *verrillii* GROTE & ROBINSON.

1032. **distans** GROTE, Can. Ent., xi, 38, 1879; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 161, 1898 (larva of *impressa* in error). Atl. States.
1033. **barnesii** SMITH, Ent. News, viii, 153, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 162, 1898. Col.
1034. **perdita** GROTE, Can. Ent., vi, 154, 1874; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 163, 1898. Pac. States.
1035. **edolata** GROTE, Pap., i, 153, 1881; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 164, 1898. Ariz.
1036. **extricata** GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 165, 1898. Tex.
1037. **xyliniformis** GUENÉE, Spec. Gén., v, 50, 1852; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 166, 1898. Atl. States.
syn. *longa* GUENÉE, *pallidicoma* GROTE.
1038. **emaculata** SMITH, Ent. News, viii, 152, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 158, 1898. Pac. States.
1039. **impleta** WALKER, Cat. Brit. Mus., ix, 57, 1856; SMITH, Can. Ent., xxxii, 334, 1900. U. S.
syn. *luteicoma* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 179, 1870; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 152, 1898.
1040. **illita** SMITH, Ent. News, viii, 152, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 151, 1898. Col., B. C.
1041. **oblinita** SMITH & ABBOT, Lep. Ins. Ga., ii, 187, 1797; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 169, 1898. Atl. States.
syn. *salicis* HARRIS.
1042. **lanceolaria** GROTE, Proc. Acad. Nat. Sci. Phil., 418, 1875; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 171, 1898. Atl. States.
- *1043. **insolita** GROTE, Bull. Buff. Soc., i, 82, 1873; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 173, 1898. Atl. States.
- *1044. **arioch** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. La.

- *1045. **gasta** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. Ill.

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1046. **dentata** GROTE, Can. Ent., vii, 222, 1875; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 173, 1898. No. Atl. States.
1047. **pyralis** SMITH, Ent. News, vii, 26, 1896; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 174, 1898. Rocky Mts.

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1048. **colorada** SMITH, Proc. U. S. Nat. Mus., xxii, 414, 1900. Col.
1049. **albovenosa** GOEZE, Ent. Beitr., iii, 3, 251, 1781; SMITH, C. 34; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 175, 1898. Atl. States, Eur.
- a. fumosum* MORRISON, Bull. Buff. Soc., i, 275, 1873.
- b. henrici* GROTE, Bull. Buff. Soc., i, 10, 1873.
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1050. **lupini** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 179, 1898. Pac. States.
1051. **ursina** SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 180, 1898. Col.
- *1052. **spinea** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 179, 1898. Cal.

HARRISIMEMNA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 293, 1873.

1053. **trisignata** WALKER, Cat. Brit. Mus., ix, 29, 1856; SMITH, C. 47; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 181, 1898. Atl. States.
- syn. *sexguttata* HARRIS.

MICROCÆLIA Guenée.

GUENÉE, Spec. Gén., v, 33, 1852.

1054. **dipteroides** GUENÉE, Spec. Gén., v, 34, 1852; SMITH, C. 48. Atl.
States.
a. obliterata GROTE, Proc. Ent. Soc. Phil., iii, 79,
1864.

JASPIDIA Hübner.

HÜBNER, Tent., 1806; *Euthales* HÜBNER; *Bryophila* TREITSCHKE.

1055. **lepidula** GROTE, 6th Rept. Peab. Acad. Sci., 23, 1874; SMITH, C. 49. Atl.
States.
*1056. **nana** HÜBNER, Zutr. exot. Schmett., f. 53, 1818; SMITH, C. 49. So.
States.
*1057. **corticoza** GUENÉE, Spec. Gén., v, 30, 1852; SMITH, C. 49. No.
Am.
1058. **viridata** HARVEY, Can. Ent., viii, 35, 1876; SMITH, C. 49. Cal.
1059. **teratophora** HERRICH-SCHAEFFER, Exot. Schmett., f. 213, 1853; SMITH, C. 49. Atl.
States.

DIPHTHERA Hübner.

HÜBNER, Tent., 1806.

1060. **fallax** HERRICH-SCHAEFFER, Exot. Schmett., f. 211, 1853; SMITH, C. 34. Atl.
States.

POLYGRAMMATE Hübner.

HÜBNER, Verz. bek. Schmett., 203, 1816.

1061. **hebraicum** HÜBNER, Zutr. exot. Schmett., f. 25, 1818; SMITH, C. 48; DYAR, Proc. U. S. Nat. Mus., xxi, 9, 1898. Atl.
States.
syn. hebræa GUENÉE.

CERMA Hübner.

HÜBNER, Verz. bek. Schmett., 207, 1816.

- *1062. **galva** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. N. Y.
1063. **cora** HÜBNER, Zutr. exot. Schmett., f. 59, 1818; SMITH, C. 47. Atl.
States.
syn. festa GUENÉE.
1064. **olivacea** SMITH, Trans. Am. Ent. Soc., xviii, 103, 1891; C. 48. Col.,
Cal.

CYATHISA Grote.

GROTE, Bull. Geol. Surv. Terr., vi, 576, 1882.

1065. **percara** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 213, 1874; SMITH, C. 50. Fla., Tex., Col.
- *1066. **pallida** SMITH, Jn. N. Y. Ent. Soc., x, 35, 1902. Cal.

CHYTONIX Grote.

GROTE, Bull. Buff. Soc., ii, 66, 1874.

1067. **palliatricula** GUENÉE, Spec. Gén., v, 26, 1852; SMITH, C. 50. Atl. States.
syn. *iaspis* GUENÉE.
1068. **sensilis** GROTE, Pap., i, 49, 1881; SMITH, C. 50. Atl. States.
1069. **semifascia** SMITH, Proc. U. S. Nat. Mus., xxii, 415, 1900. Col.
- *1070. **connecta** SMITH, Trans. Am. Ent. Soc., xxi, 42, 1894. Tex.

COPIBRYOPHILA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 416, 1900.

1071. **angelica** SMITH, Proc. U. S. Nat. Mus., xxii, 416, 1900. Cal.

ALEPTINA Dyar.

DYAR, Can. Ent., xxxiv, 105, 1902.

1072. **inca** DYAR, Can. Ent., xxxiv, 105, 1902. Ariz., Tex.

BAILEYA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 123, 1893; *Leptina* GUENÉE (not MEIGEN), Spec. Gén., v, 14, 1852.

1073. **ophthalmica** GUENÉE, Spec. Gén., v, 15, 1852; SMITH, C. 30. Atl. States.
1074. **australis** GROTE, Can. Ent., xiii, 152, 1881; SMITH, C. 30. Tex., Ala.
1075. **doubledayi** GUENÉE, Spec. Gén., v, 15, 1852; SMITH, C. 30. Atl. States.
1076. **dormitans** GUENÉE, Spec. Gén., v, 15, 1852; SMITH, C. 30. No. Atl. States.
syn. *latebricola* GROTE.

HADENELLA Grote.

(GROTE, Pap., iii, 123, 1883.

1077. *pergentilis* GROTE, Pap., iii, 123, 1883; SMITH, Wash., Col.,
C. 164. Wyo.
1078. *minuscule* MORRISON, Proc. Bost. Soc. Nat. Hist., Atl. States,
xvii, 147, 1874; SMITH, C. 144. Col.
- syn. subjuneta* SMITH, Can. Ent., xxx, 323, 1898.
1079. *laevigata* SMITH, Can. Ent., xxx, 321, 1898. Col.

ACOPA Harvey.

HARVEY, Bull. Buff. Soc., ii, 279, 1874.

1080. *carina* HARVEY, Bull. Buff. Soc., ii, 279, 1874; Tex.
SMITH, C. 264.
1081. *perpallida* GROTE, Can. Ent., x, 68, 1878; SMITH, Kans.
C. 264.
- *1082. *incana* HY. EDWARDS, Pap., ii, 128, 1882; SMITH, Ariz.
C. 264.
- *1083. *pacifica* HY. EDWARDS, Pap., iv, 46, 1884; SMITH, Ariz.
C. 265.

CATABENA Walker.

WALKER, Cat. Brit. Mus., xxxii, 631, 1865; *Adipsophanes* GROTE.

1084. *lineolata* WALKER, Cat. Brit. Mus., xxxii, 631, Atl. States,
1865; SMITH, C. 194. Cal.
- syn. miscellus* GROTE.
- *1085. *terminellus* GROTE, Can. Ent., xv, 132, 1883; Tex.
SMITH, C. 194.
- *1086. *egestis* SMITH, Trans. Am. Ent. Soc., xxi, 77, Ariz.
1894.

CRAMBODES Guenée.

GUENÉE, Spec. Gén., vi, 152, 1852.

1087. *talidiformis* GUENÉE, Spec. Gén., vi, 152, 1852; Atl. States,
SMITH, C. 194. Col.
- syn. conjugens* WALKER.

PLATYSENTA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 28, 1874.

1088. *videns* GUENÉE, Spec. Gén., v, 78, 1852; SMITH, Atl. States,
C. 184. Col.
- syn. indigena* WALKER, *meskei* SPEYER, *atriciliata* GROTE.

- *1089. **albipuncta** SMITH, Jn. N. Y. Ent. Soc., x, 46, 1902. Tex., Col.
 1089. 1. **angustiorata** GROTE, Bull. Geol. Surv. Terr., Col.
 vi, 584, 1882; SMITH, C. 184.

SENTA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iii, 279, 1829.

1090. **defecta** GROTE, 6th Rept. Peab. Acad. Sci., 29, Atl.
 1874; SMITH, C. 183. States.
 *1091. **enervata** GUENÉE, Spec. Gén., v, 105, 1852; Fla.
 SMITH, C. 183.
 syn. *fodiens* GUENÉE.

BALSA Walker.

WALKER, Can. Nat. Geol., v, 250, 1860; *Nolophana* GROTE.

1092. **malana** FITCH, Rep. Ins. N. Y., i, 244, 1856; Atl.
 SMITH, C. 193. States.
 syn. *obliquifera* WALKER.
 1093. **tristrigella** WALKER, Cat. Brit. Mus., xxxv, 1734 Atl.
 1865; SMITH, C. 193. States.
 syn. *zelleri* GROTE.
 1094. **labecula** GROTE, Can. Ent., xii, 217, 1880; SMITH, Atl.
 C. 194. States.
 *1095. **albopunctella** WALKER, Cat. Brit. Mus., xxxv, U. S.
 1735, 1866; SMITH, C. 194.

PLATYPERIGEA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 60, 1894.

1096. **camina** SMITH, Trans. Am. Ent. Soc., xxi, 60, Col.
 1894.
 1097. **præacuta** SMITH, Trans. Am. Ent. Soc., xxi, 61, Col.
 1894.
 1098. **discistriga** SMITH, Trans. Am. Ent. Soc., xxi, 61, Col.
 1894.

FOTELLA Grote.

GROTE, Can. Ent., xiv, 181, 1882.

- *1099. **notalis** GROTE, Can. Ent., xiv, 181, 1882; SMITH, Ariz.
 C. 195.

ANORTHODES Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891.

1100. **prima** SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891; C. 198. So. Atl. States.

CARADRINA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 80, 1816.

1101. **meralis** MORRISON, Can. Ent., vii, 215, 1875; SMITH, C. 195. Atl. States, N. Mex.
syn. *bilunata* GROTE.
1102. **multifera** WALKER, Cat. Brit. Mus., x, 293, 1856; SMITH, C. 196. Atl. States.
syn. *fidicularia* MORRISON
1103. **exigua** HÜBNER, Eur. Schm., 362, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1990, 1901. Cal., Col., Eur., Hawaii.
syn. *fulgens* HÜBNER, *junceti* ZELLER, *sebghana* AUSTANT, *orbicularis* WALKER, *venosa* BUTLER, *ciliun* GUENÉE, *insulsa* WALKER, *erica* BUTLER, *cycloides* GUENÉE, *caradrinoides* WALKER, *insignata* COTES & SWINHOF, *flavimaculata* HARVEY, Can. Ent., viii, 54, 1876; SMITH, C. 168; MEYRICK, Faun. Haw., i, 153, 1899.
1104. **spilomela** WALKER, Cat. Brit. Mus., xxxii, 648, 1865. Tex.
syn. *convira* HARVEY; SMITH, C. 196.
1105. **extimia** WALKER, Cat. Brit. Mus., xxxii, 687, 1865; SMITH, C. 196. Pac. States, Col.
syn. *civica* GROTE.
1106. **mantalini** SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894. Col.
1107. **rufostriga** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 36, 1866; SMITH, C. 186. Lab., Col.
syn. *punctivena* SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894.
- *1108. **insipida** STRECKER, Lep. Rhop. Het., suppl. 3, 32, 1900. Wis.
1109. **miranda** GROTE, Bull. Buff. Soc., i, 11, 169, 1873; SMITH, C. 195. U. S.
- *1110. **tarda** GUENÉE, Spec. Gén., v, 243, 1852; SMITH, C. 195. W. Va.
- *1111. **fragosa** GROTE, Pap., iii, 76, 1883; SMITH, C. 196. Ariz.

*1112. **derosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 121, 1875; SMITH, C. 195. N. J.

*1113. **fervens** WALKER, Cat. Brit. Mus., x, 266, 1856. Tex.
syn. *subaquila* HARVEY; SMITH, C. 196.

1114. **leucorena** SMITH, Proc. U. S. Nat. Mus., xxii, 477, 1900. Cal., Ariz.

PERIGEA Guenée.

GUENÉE, Spec. Gén., v, 225, 1852.

1115. **xanthioides** GUENÉE, Spec. Gén., v, 227, 1852; SMITH, C. 152. Atl. States.
a. enixa GROTE, Bull. Buff. Soc., ii, 310, 1875.

*1116. **iole** GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 414, 1875; SMITH, C. 152. Fla.

1117. **vecors** GUENÉE, Spec. Gén., v, 230, 1852; SMITH, C. 152. Atl. States, Col.
syn. *remissa* WALKER, *luxa* GROTE.

1118. **epopea** CRAMER, Pap. Exot., iii, pl. 272, f. G, 1782; SMITH, C. 152. So. Atl. States.
syn. *cupentina* CRAMER, *infelix* GUENÉE, *palpalis* WALKER, *confederata* GROTE.

1119. **sutor** GUENÉE, Spec. Gén., v, 231, 1852. Atl. States.
syn. *claufacta* WALKER; SMITH, C. 153; *fabrefacta* MORRISON.

*1120. **falsa** GROTE, Can. Ent., xii, 215, 1880; SMITH, C. 153. Cal.

1121. **albolabes** GROTE, Can. Ent., xii, 216, 1880; SMITH, C. 154. Ariz., Col.

*1122. **punctifera** WALKER, Cat. Brit. Mus., x, 263, 1856; SMITH, C. 153. Antilles, Fla.

*1123. **loculosa** GROTE, Pap., i, 154, 1881; SMITH, C. 154. Ariz., N. Mex.

*1124. **fasciata** HY. EDWARDS, Ent. Amer., ii, 169, 1886; SMITH, C. 154. Ariz.

1125. **alfkenii** GROTE, Abh. nat. Ver. Bremen, xiv, 81, 1895. Cal., Ariz.

1126. **pulverulenta** SMITH, Trans. Am. Ent. Soc., xviii, 105, 1891; C. 154. Col.

*1127. **continens** HY. EDWARDS, Pap., iv, 122, 1884; SMITH, C. 154. Ariz.

1128. **veterata** SMITH Trans. Am. Ent. Soc., xxi, 62, 1894. Col.

1129. **lucetta** SMITH, Proc. U. S. Nat. Mus., xxii, 474, 1900. Col.
- *1130. **cervina** SMITH, Proc. U. S. Nat. Mus., xxii, 475, 1900. Fla.
1131. **texana** SMITH, Proc. U. S. Nat. Mus., xxii, 476, 1900. Tex.
1132. **consors** SMITH, Proc. U. S. Nat. Mus., xxii, 477, 1900. Ariz.
- *1133. **proxima** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875; SMITH, C. 155. Tex.
- *1134. **mersa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 155. Cal.
- *1135. **niveirena** HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 154. B. C.

OLIGIA Hübner.

HÜBNER, Verz. bek. Schmett., 404, 1816.

1136. **festivoides** GUENÉE, Spec. Gén., v, 220, 1852; SMITH, C. 149. Atl. States.
syn. *varia* WALKER.
1137. **chalcedonia** HÜBNER, Eur. Schmett., Noct., 404, 1815; SMITH, C. 150. Atl. States, Col., N. Mex.
syn. *vincta* WALKER, *irresoluta* WALKER, *arna* GUENÉE, *tracta* GROTE.
1138. **versicolor** GROTE, Proc. Acad. Nat. Sci. Phil., 204, 1874; SMITH, C. 150. Atl. States.
1139. **exesa** GUENÉE, Spec. Gén., v, 222, 1852; SMITH, C. 150. Fla.
syn. *floridiana* WALKER.
1140. **fuscimacula** GROTE, Bull. Geol. Surv. Terr., vi, 262, 1881; SMITH, C. 151. Fla., Tex.
1141. **grata** HÜBNER, Zutr. exot. Schmett., f. 71, 1819; SMITH, C. 151. Atl. States.
syn. *rasilis* MORRISON.
1142. **nucicolora** GUENÉE, Spec. Gén., v, 24, 1852; SMITH, C. 151. Fla., Tex.
syn. *unsignata* WALKER, *paginata* MORRISON, *clara* HARVEY.
1143. **trientiplaga** WALKER, Cat. Brit. Mus., xv, 1677, 1858; DYAR, Proc. Ent. Soc. Wash., iv, 453, 1901. Fla., So. Am.
syn. *aduncula* FELDER, Reise Novara, Lep., pl. 110, f. 4, 1872.
- *1144. **rubiginosa** WALKER, Cat. Brit. Mus., xxxii, 674, 1865. B. C.

HILLIA Grote.

GROTE, Proc. Ent. Soc. Phil., xxxi, 168, 1883.

1145. **crassis** HERRICH-SCHAEFFER, Schmett. Eur., ii, 361, 1845; SMITH, C. 147. No. Atl. States, Col., Eur.
 syn. *erdmani* MÖSCHLER, *semisigna* WALKER, *senescens* GROTE, *vigilans* GROTE.
1146. **algens** GROTE, Can. Ent., x, 236, 1878; SMITH, C. 147. Me., N. Y., Col.
1147. **discinigra** WALKER, Cat. Brit. Mus., ix, 27, 1856; SMITH, C. 148. Can.

HADENA Schrank.

SCHRANK, Faun. Boica, ii, 2, 158, 1802; *Iuperina* BOISDUVAL, Ind. Méth., i, 77, 1829; *Xylophasia* STEPHENS, Ill. Brit. Ent., Haust., ii, 174, 1829; *Apamea* OCHSENHEIMER, Schm. Eur., iv, 75, 1816; *Xylena* HÜBNER, Tent., 1806; *Cladocera* RAMBUR (not HOPE), Cat. Lep. And., pl. 6, 1858; *Helioscota* GROTE, Abh. nat. Ver. Brem., xiv, 78, 1895; *Achatia* HÜBNER, Tent., 1806.

1148. **evelina** FRENCH, Can. Ent., xx, 71, 1888; SMITH, C. 141. Cal., Col.
1149. **bridghami** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 17, 1866; SMITH, C. 141. Atl. States.
1150. **transfrons** NEUMOEGEN, Pap., iii, 139, 1883; SMITH, C. 141. B. C.
1151. **violacea** GROTE, Bull. Geol. Surv. Terr., vi, 261, 1881; SMITH, C. 141. Cal., Col.
1152. **leucoscelis** GROTE, Sixth Rept. Peab. Acad. Sci., 26, 1874; SMITH, C. 142. Atl. States, Col.
 syn. *fibulata* MORRISON.
1153. **claudens** WALKER, Cat. Brit. Mus., ix, 753, 1857; SMITH, C. 142. No. Atl. States.
 syn. *hillii* GROTE.
1154. **paviæ** BEHR in Strecker, Lep. Rhop. Het., 94, 1874; SMITH, C. 142. Cal.
 syn. *inconspicua* SMITH, 142.
1155. **binotata** WALKER, Cat. Brit. Mus., xxxii, 663, 1865; SMITH, C. 142. Pac. States.
 syn. *curvata* GROTE, *extersa* WALKER.
1156. **adnixa** GROTE, Can. Ent., xii, 243, 1880; SMITH, C. 142. Nev.
1157. **indirecta** GROTE, Can. Ent., vii, 28, 1875; SMITH, C. 143. Pac. States, Col.

1158. **modica** GUENÉE, Spec. Gén., v, 207, 1852; SMITH, C. 146. Atl. States, Col.
syn. subcedens WALKER.
1159. **hausta** GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 146. No. Atl. States, N. M.
1160. **characta** GROTE, Can. Ent., xii, 243, 1880; SMITH, C. 143. Nev., Ariz.
1161. **genetrix** GROTE, Can. Ent., x, 237, 1878; SMITH, C. 143. Nev., Ariz.
1162. **patina** HARVEY, Bull. Buff. Soc., iii, 7, 1875; SMITH, C. 146. Tex., D. C.
- *1163. **egens** WALKER, Cat. Brit. Mus., x, 263, 1856; SMITH, C. 144. Can., Col.
1164. **unicincta** SMITH, Jn. N. Y. Ent. Soc., x, 41, 1902. Cal.
1165. **diversicolor** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 132, 1874; SMITH, C. 146. No. Atl. States.
1166. **mactata** GUENÉE, Spec. Gén., v, 207, 1852; SMITH, C. 145. Atl. States, Col.
1167. **turbulenta** HÜBNER, Zutr. exot. Schmett., f. 67, 1820; SMITH, C. 145. Atl. States.
syn. arcuata WALKER.
1168. **divesta** GROTE, Can. Ent., vi, 215, 1874; SMITH, C. 143. Pac. States, Col.
- *1169. **tusa** GROTE, Bull. Geol. Surv. Terr., iv, 177, 1878; SMITH, C. 143. Cal.
- *1170. **tonsa** GROTE, Can. Ent., xii, 214, 1880; SMITH, C. 143. Nev.
1171. **chryselectra** GROTE, Can. Ent., xii, 244, 1880; SMITH, C. 147. Col.
syn. benigna HY. EDWARDS, Pap., iv, 122, 1884; SMITH, C. 154.
1173. **fumosa** GROTE, Bull. Geol. Surv. Terr., v, 205, 1879; SMITH, C. 143. Col., Wash.
- *1174. **tortilis** GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880; SMITH, C. 146. Wash.
1175. **marina** GROTE, Bull. Buff. Soc., ii, 67, 1874; SMITH, C. 145. Cal.
1176. **didonea** SMITH, Trans. Am. Ent. Soc., xxi, 58, 1894. Col.
1177. **antennata** SMITH, Proc. U. S. Nat. Mus., xiii, 439, 1890; C. 140. Cal.
1178. **viridimusca** SMITH, Can. Ent., xxi, 262, 1899. Ohio.

- *1179. **loda** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wash.
- *1180. **una** STRECKER, Lep. Rhop. Het., suppl. 3, 32, 1900. Wis.
- *1181. **thula** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Wash.
1182. **luteocinerea** SMITH, Proc. U. S. Nat. Mus., xxii, 468, 1900. Mont.
1183. **lætabilis** SMITH, Can. Ent., xxi, 264, 1899. N. Mex.
1184. **pausis** SMITH, Can. Ent., xxi, 262, 1899. Cal.
- *1185. **moilena** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Col.
- *1186. **lona** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wash.,
Man.
syn. *runata* SMITH, Can. Ent., xxxi, 257, 1899.
1187. **catalina** SMITH, Can. Ent., xxi, 261, 1899. Ariz.
1188. **virguncula** SMITH, Can. Ent., xxi, 259, 1899. Col.
1189. **barnesii** SMITH, Can. Ent., xxi, 258, 1899. So. Dak.,
Col.
1190. **dionea** SMITH, Can. Ent., xxi, 258, 1899. So. Dak.
- *1191. **satina** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Anticosti.
1192. **mustelina** SMITH, Proc. U. S. Nat. Mus., xxii, 469, 1900. Cal.
1193. **tenera** SMITH, Proc. Wash. Acad. Sci., ii, 491, 1900. Alaska.
1194. **jocasta** SMITH, Proc. U. S. Nat. Mus., xxii, 470, 1900. Dak.,
Ill.
1195. **tela** SMITH, Proc. U. S. Nat. Mus., xxii, 470, 1900. Ariz.
1196. **tapeta** SMITH, Proc. U. S. Nat. Mus., xxii, 467, 1900. Fla.
- *1197. **cluna** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Ill.
1198. **allecto** SMITH, Can. Ent., xxi, 260, 1899. B. C.,
Man., Dak.
1199. **versuta** SMITH, Ent. News, vii, 27, 1896. Alberta.
- *1200. **dilara** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Col.
1201. **ethnica** SMITH, Can. Ent., xxi, 263, 1899. Cal.

1202. **miseloides** GUENÉE, Spec. Gén., vi, 89, 1852; SMITH, C. 145; Jn. N. Y. Ent. Soc., x, 39, 1902. Atl. States.
a. miscellus SMITH, Jn. N. Y. Ent. Soc., x, 40, 1902.
1203. **macerata** SMITH, Jn. N. Y. Ent. Soc., x, 40, 1902. Man.
- *1204. **chlorostigma** HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 145. Tex., Ill.
1205. **semicana** WALKER, Cat. Brit. Mus., xxxii, 675, 1865; SMITH, C. 144. Col., Atl. States.
syn. vulvivaga MORRISON.
a. fractilinea GROTE, Can. Ent., vi, 15, 1874; SMITH, C. 144.
b. modiola GROTE, Bull. Geol. Surv. Terr., v, 204, 1879.
1206. **misera** GROTE, Bull. Geol. Surv. Terr., vi, 582, 1882; SMITH, C. 144. Atl. States.
1207. **cylindrica** GROTE, Can. Ent., xii, 214, 1880; SMITH, C. 146. Nev.
1208. **basilinea** FABRICIUS, Mant. Ins., 183, 1787; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1710, 1901. N.-W. Pac. States, Eur.
a. cerviana SMITH, Can. Ent., xxxii, 220, 1900.
- *1209. **smaragdina** NEUMOEGEN, Pap., iii, 140, 1883; SMITH, C. 145. Ariz.
1210. **niveivenosa** GROTE, Bull. Geol. Surv. Terr., v, 206, 1879; SMITH, C. 131. Mont., Col.
1211. **stipata** MORRISON, Proc. Acad. Nat. Sci. Phil., 64, 1875; SMITH, C. 131. No. Atl. States.
1212. **passer** GUENÉE, Spec. Gén., v, 195, 1852; SMITH, C. 131. No. Atl. States, Col., Oreg.
syn. incallida WALKER, *loculata* MORRISON, *viralis* GROTE.
a. conspicua MORRISON, Bull. Buff. Soc., ii, 110, 1874.
1213. **trigona** SMITH, Jn. N. Y. Ent. Soc., x, 39, 1902. Tenn.
1214. **burgessi** MORRISON, Bull. Buff. Soc., ii, 109, 1874; SMITH, C. 132. Mass., Ariz., Nebr.
syn. discors GROTE.
1215. **longula** GROTE, Bull. Geol. Surv. Terr., v, 204, 1879; SMITH, C. 132. Rocky Mts., Kans., Wash.
1216. **contradicta** SMITH, Ent. News, vii, 28, 1896. Alberta.

1217. **remissa** HÜBNER, Eur. Schmett., Noct., 423, 1812;
SMITH, C. 132. Atl. States.
syn. *indocilis* WALKER.
1218. **separans** GROTE, Bull. U. S. Geol. Surv. Terr., vi,
260, 1880; SMITH, C. 133. N. Y.,
Wis.
1219. **suffusca** MORRISON, Proc. Acad. Nat. Sci. Phil.,
61, 1875; SMITH, C. 133. Atl. States,
Col.
1220. **vultuosa** GROTE, Proc. Acad. Nat. Sci. Phil., 420,
1875; SMITH, C. 134. Atl. States.
1221. **apamiformis** GUENÉE, Spec. Gén., v, 137, 1852;
SMITH, C. 133. Atl. States,
Col.
syn. *contenta* WALKER.
1222. **exornata** MÖSCHLER, Wien. ent. Mon., iv, 364,
1864; SMITH, C. 134. Lab.,
Col.
1223. **morna** STRECKER, Rep. Ch. Eng., Ruffner, v, 1861,
1879; SMITH, C. 134. Col.
syn. *hulstii* GROTE, No. Am. Ent., i, 93, 1880;
SMITH, C. 134.
1224. **finitima** GUENÉE, Spec. Gén., v, 206, 1852; SMITH,
C. 134. No.
U. S.
1225. **lateritia** HÜBNER, Berl. Mag., iii, 306, 1767;
SMITH, C. 134. No. U. S.,
Eur.
syn. *molochina* HÜBNER, *obliviosa* WALKER.
1226. **cogitata** SMITH, Proc. U. S. Nat. Mus., xiii, 421,
1890; C. 135. No.
U. S.
1227. **dubitans** WALKER, Cat. Brit. Mus., ix, 232, 1856;
SMITH, C. 135. No. Atl.
States.
syn. *insignata* WALKER, *sputatrix* GROTE.
1228. **plutonia** GROTE, Can. Ent., xv, 9, 1883; SMITH,
C. 135. Me.,
Wis.
1229. **alticola** SMITH, Proc. U. S. Nat. Mus., xxiii, 423,
1890; C. 136. Col.
1230. **ducta** GROTE, Bull. Geol. Surv. Terr., iv, 176,
1878; SMITH, C. 136. No.
U. S.
1231. **impulsa** GUENÉE, Spec. Gén., v, 194, 1852;
SMITH, C. 136. Atl. States.
a. mixta GROTE, Bull. Geol. Surv. Terr., vi, 264,
1880.
1232. **devastatrix** BRACE, Am. Jn. Sci., i, 154, 1819;
SMITH, C. 136. U. S.
syn. *ordinaria* WALKER, *contenta* WALKER,
marshallana WESTWOOD.

1233. **exulis** LEFÈBRE, Ann. Soc. Ent. Fr., v, 393, 1836; SMITH, C. 137. Lab., Greenl.
 syn. *gelata* LEFÈBRE, *groenlandica* ZETTERSTEDT, *marmorata* ZETTERSTEDT, *difflua* GEYER, *gelida* GUENÉE, *poli* GUENÉE, *borea* GUENÉE.
- *1234. **sommeri** LEFÈBRE, Ann. Soc. Ent. Fr., iii, 391, 1836; SMITH, C. 137. Lab., Greenl.
1235. **arctica** BOISDUVAL, Gen. Ind. Méth., 120, 1840; SMITH, C. 137. Atl. States, Col.
 syn. *amputatrix* FITCH.
1236. **albina** GROTE, Bull. Buff. Soc., ii, 157, 1874; SMITH, C. 138. Cal.
1237. **pluviosa** WALKER, Cat. Brit. Mus., xxxiii, 725, 1865; SMITH, C. 138. Pac. States.
 syn. *castanea* GROTE, *cynosa* GROTE.
1238. **occidens** GROTE, Bull. U. S. Geol. Surv. Terr., iv, 177, 1878; SMITH, C. 138. Col., Cal.
- *1239. **perpensa** GROTE, Can. Ent., xiii, 229, 1883; SMITH, C. 138. Ariz., New Mex.
1240. **cuculliformis** GROTE, Check List Noct., 24, 1875; SMITH C. 139. Cal.
1241. **verbascoides** GUENÉE, Spec. Gén., v, 141, 1852; SMITH, C. 139. Atl. States.
1242. **nigrior** SMITH, Proc. U. S. Nat. Mus., xiii, 437, 1890; C. 139. Me.
1243. **cariosa** GUENÉE, Spec. Gén., v, 144, 1852; SMITH, C. 139. No. U. S., Ariz.
 syn. *idonea* GROTE.
1244. **vulgaris** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 19, 1866; SMITH, C. 139. Atl. States.
- *1245. **cristata** GROTE, Bull. Geol. Surv. Terr., iv, 176, 1878; SMITH, C. 140. N. Y.
1246. **relecina** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 216, 1874; SMITH, C. 140. Tex., Col.
1247. **cinefacta** GROTE, Pap., i, 77, 1881; SMITH, C. 140. Pac. States, Col.
1248. **centralis** SMITH, Proc. U. S. Nat. Mus., xiii, 141, 1890; C. 140. Cal.
1249. **auranticolor** GROTE, Bull. Buff. Soc., i, 109, 1873; SMITH, C. 140. Oreg., Col., Neb.

1250. **lignicolor** GUENÉE, Spec. Gén., v, 140, 1852; Atl. States,
SMITH, C. 140. Col., Ariz.
a. quæsitæ GROTE, Can. Ent., viii, 26, 1876.
1251. **genialis** GROTE, Bull. Buff. Soc., ii, 66, 1874; Cal.
SMITH, C. 141.
1252. **inordinata** MORRISON, Proc. Acad. Nat. Sci. Phil., Mass., Me.,
63, 1875; SMITH, C. 141. Col.
a. montana SMITH, Proc. U. S. Nat. Mus., xiii,
414, 1890.
- *1252. 1. **semilunata** GROTE, Pap., i, 58, 1881; SMITH, C. Wash.,
141. Col.

CALOPHASIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 61, 1829.

1253. **strigata** SMITH, Trans. Am. Ent. Soc., xviii, 107. Col.
1891; C. 156.

EPIDEMAS Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 40, 1894.

1254. **cinerea** SMITH, Trans. Am. Ent. Soc., xxi, 41, 1894. Col.

MACRONOCTUA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874.

1255. **onusta** GROTE, 6th Rept. Peab. Acad. Sci., 27, Atl.
1874; SMITH, C. 163. States.

FISHEA Grote.

GROTE, Can. Ent., ix, 21, 1877.

- *1256. **enthea** GROTE, Can. Ent., ix, 21, 1877; SMITH, Me.
C. 167.

PACHYPOLIA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874.

1257. **atricornis** GROTE, 6th Rept. Peab. Acad. Sci., 27, Ill.
1874; SMITH, C. 164.

POLIA Hübner.

HÜBNER, Tent., 1806; OCHSENHEIMER, Schmett. Eur., iv, 73, 1816; *Andropolia* GROTE,
Abh. nat. Ver. Brem., xiv, 83, 1895.

- *1258. **ædon** GROTE, Can. Ent., xii, 154, 1880; SMITH, Col., Nev.,
C. 165. Wash.

1259. **theodori** GROTE, Can. Ent., x, 237, 1878; SMITH, C. 165. Col., Cal., N. M.
a. epichysis GROTE, Can. Ent., xii, 219, 1880.
- *1260. **olorina** GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 165. Cal., Col.
1261. **confragosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 138, 1874; SMITH, C. 166. Can., Wis.
1262. **connecta** SMITH, Trans. Am. Ent. Soc., xxi, 72, 1894. Col.
- *1263. **speciosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 137, 1874; SMITH, C. 166. Mass.
- *1264. **pallifera** GROTE, Can. Ent., ix, 88, 1877; SMITH, C. 166. Ill.
1265. **pulverulenta** SMITH, Trans. Am. Ent. Soc., xviii, 106, 1901. Col.
1266. **contacta** WALKER, Cat. Brit. Mus., ix, 58, 1856; SMITH, C. 166. Can., No. N. Y.
syn. aspera MORRISON, *diffusilis* HARVEY.
1267. **diversilineata** GROTE, Bull. Geol. Surv. Terr., iii, 119, 1877; SMITH, C. 165. Rocky Mts.
syn. illepida GROTE.
1268. **medialis** GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 306, 1876; SMITH, C. 167. Can., N. Y.
1269. **extincta** SMITH, Proc. U. S. Nat. Mus., xxii, 471, 1900. N. H.
1270. **acera** SMITH, Proc. U. S. Nat. Mus., xxii, 472, 1900. Wash.
- *1271. **acutissima** GROTE, Check List Noct., 23, 1875; SMITH, C. 167. Can.
1272. **resoluta** SMITH, Trans. Am. Ent. Soc., xxi, 70, 1894. Col.
- *1273. **contadina** SMITH, Trans. Am. Ent. Soc., xxi, 71, 1894. B. C.
- *1274. **sansar** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wash.
1275. **ochracea** SMITH, Proc. U. S. Nat. Mus., xxii, 474, 1900. Ia.
1276. **dispar** SMITH, Proc. U. S. Nat. Mus., xxii, 473, 1900. Col.

DRYOBOTA Lederer.

LEDERER, Noct. Eur., 100, 1857.

1277. **illocata** WALKER, Cat. Brit. Mus., xi, 758, 1857; Atl. States,
SMITH, C. 164. Col.
syn. *stigmata* GROTE.

HYPPA Duponchel.

DUPONCHEL, Cat. Méth., iv, 231, 1844.

1278. **xylinoides** GUENÉE, Spec. Gén., vi, 106, 1852; Atl.
SMITH, C. 155. States.
syn. *contraria* WALKER, *ancocisconensis* MOR-
RISON.
1279. **indistincta** SMITH, Trans. Am. Ent. Soc., xxi, 63, Oreg.
1894.
1280. **rectilinea** ESPER, Schmett. Eur., i, 127, 1777; Alaska,
STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1828, Eur.
1901; DYAR, Proc. Wash. Acad. Sci., ii, 491, 1900.
- *1281. **brunneicrista** SMITH, Can. Ent., xxxiv, 31, 1902. Alberta.

FERALIA Grote.

GROTE, Bull. Buff. Soc., ii, 58, 1874.

1282. **jocosa** GUENÉE, Spec. Gén., v, 37, 1852; SMITH, Atl.
C. 33; SEIFERT, Jn. N. Y. Ent. Soc., vi, 182, 1898. States.
1283. **februalis** GROTE, Bull. Buff. Soc., ii, 60, 1874; Cal.
SMITH, C. 33.
1284. **major** SMITH, Ent. Amer., vi, 26, 1890; C. 34. Atl. States.
1285. **brillians** BARNES, Can. Ent., xxxiii, 56, 1901. Ariz.

MOMOPHANA Grote.

GROTE, Stett. ent. Zeit., xxxvi, 195, 1875.

1286. **comstocki** GROTE, Bull. Buff. Soc., ii, 59, 1874; Atl.
SMITH, C. 34. States.

VALERIA Germar.

GERMAR, Mag. Ent., iv, 1821; STEPHENS, Cat. Brit. Ins., no. 118, 1829.

1287. **opina** GROTE, Bull. Geol. Surv. Terr., iv, 178, Cal.
1878; SMITH, C. 156.

EUPLEXIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iii, 3, 1829.

1288. *lucipara* LINNÆUS, Syst. Nat., 518, 1758; SMITH, C. 171. U. S., Eur.

TRACHEA Hübner.

HÜBNER, Verz. bek. Schmett., 219, '816.

1289. *delicata* GROTE, Trans. Am. Ent. Soc., v, 92, 1874; SMITH, C. 148. Atl. States.
syn. *interna* GROTE.

DIPTERYGIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 167, 1829.

1290. *scabriuscula* LINNÆUS, Syst. Nat., 516, 1758; SMITH, C. 155. Atl. States, Col., Eur.
syn. *pinastri* LINNÆUS.

ACTINOTIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

1291. *ramosula* GUENÉE, Spec. Gén., vi, 114, 1852; SMITH, C. 167. Atl. States.
*1292. *stewarti* GROTE, Can. Ent., vii, 28, 1875; SMITH, C. 167. Cal.

PYROPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 208, 1816.

1293. *glabella* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 153, 1874; SMITH, C. 197. U. S.
*1294. *triquetra* GROTE, Pap., iii, 78, 1883; SMITH, C. 197. Ariz.
1295. *pyramidoides* GUENÉE, Spec. Gén., vi, 413, 1852; SMITH, C. 197. Atl. States, Col.
a. inornata GROTE, Proc. Ent. Soc. Phil., iii, 86, 1864.
b. conspersa RILEY, 3d Rept. Ins. Mo., 75, 1871.
1296. *tragopoginis* LINNÆUS, Faun. Suec., 1189, 1761; SMITH, C. 197. Atl. States, Eur.
syn. *repressus* GROTE.

HELIOTROPHA Lederer.

LEDERER, Noct. Eur., 118, 1857.

1297. **reniformis** GROTE, Can. Ent., vi, 14, 1874; SMITH, C. 173. Atl. States.
a. atra GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874.
- *1298. **obtusa** SMITH, Jn. N. Y. Ent. Soc., x, 45, 1902. N. H.

PRODENIA Guenée.

GUENÉE, Spec. Gén., v, 159, 1852.

1299. **commelinæ** SMITH & ABBOT, Lep. Ins. Ga., ii, 189, 1797; SMITH, C. 169. Atl. States.
1300. **ornithogalli** GUENÉE, Spec. Gén., v, 163, 1852; SMITH, C. 169. Atl. States, Cal., Col.
syn. lineatella HARVEY.
a. eudiopta GUENÉE, Spec. Gén., v, 164, 1852; SMITH, C. 170.
syn. flavimedia HARVEY.
b. præfica GROTE, Can. Ent., vii, 44, 1875.
1301. **eridania** CRAMER, Pap. Exot., iv, pl. 358, f. E, 1782; SMITH, C. 169. So. States, So. Am.
syn. phytolacæ SMITH & ABBOT, *derupta* MORRISON, *nigrofasciata* HULST.

LAPHYGMA Guenée.

GUENÉE, Spec. Gén., v, 156, 1852.

1302. **frugiperda** SMITH & ABBOT, Lep. Ins. Ga., ii, 191, 1797; SMITH, C. 168. Atl. States, So. Am.
syn. macra GUENÉE, *signifera* WALKER, *plagiata* WALKER, *autumnalis* RILEY.
a. obscura RILEY, 8th Rept. Ins. Mo., 49, 1876.
b. fulvosa RILEY, 8th Rept. Ins. Mo., 49, 1876.

LUSSA Grote.

GROTE, Can. Ent., xv, 127, 1883.

1303. **nigroguttata** GROTE, Can. Ent., xv, 127, 1883; SMITH, C. 167. Fla.
- *1304. **inflexa** MORRISON, Proc. Acad. Nat. Sci. Phil., 65, 1875; SMITH, C. 168. Fla.

MAGUSA Walker.

WALKER, Cat. Brit. Mus., xi, 762, 1857.

1305. **dissidens** FELDER, Reise Novara, pl. 108, f. 50, 1872; SMITH, C. 329; DYAR, Proc. Ent. Soc. Wash., iv, 453, 1901. Atl. States, So. Am.
 syn. *divaricata* GROTE, *angustipennis* MÖSCHLER, *divida* MÖSCHLER.

PSEUDANARTA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 133, 1875; *Copanarta* GROTE, Abh. nat. Ver. Brem., xiv, 112, 1895.

- *1306. **aurea** GROTE, Bull. Geol. Surv. Terr., v, 205, 1879; SMITH, C. 149. Tex.
 1307. **flava** GROTE, Trans. Am. Ent. Soc., v, 91, 1874; SMITH, C. 140. N.-W. Pac. States, Col., Ariz.
 syn. *crocea* HY. EDWARDS.
 1308. **singula** GROTE, Can. Ent., xii, 215, 1880; SMITH, C. 148. Tex., Ariz., Col.
 1309. **flavidens** GROTE, Bull. Geol. Surv. Terr., v, 205, 1879; SMITH, C. 149. Col., N. Mex.
 1310. **falcata** NEUMOEGEN, Pap., iii, 141, 1883; SMITH, C. 149. Ariz., Mex.

HOMOHADENA Grote.

GROTE, Bull. Buff. Soc., i, 180, 1873.

1311. **candida** SMITH, Proc. U. S. Nat. Mus., xxii, 478, 1900. Tex.
 1312. **badistriga** GROTE, Trans. Am. Ent. Soc., iv, 20, 1872; SMITH, C. 158. Atl. States Col.
 1313. **infixa** WALKER, Cat. Brit. Mus., ix, 178, 1856; SMITH, C. 157. So. Atl. States.
 syn. *kappa* GROTE.
 1314. **retroversa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 157, 1874; SMITH, C. 157. Miss.
 1315. **induta** HARVEY, Bull. Buff. Soc., ii, 274, 1874; SMITH, C. 157. Tex.
 1316. **incomitata** HARVEY, Bull. Buff. Soc., iii, 6, 1875; SMITH, C. 156. Tex.
 1317. **stabilis** SMITH, Ent. News, vii, 29, 1896. Alberta.
 *1318. **inconstans** GROTE, Can. Ent., xv, 28, 1883; SMITH, C. 156. Ariz.

1319. **figurata** HARVEY, Can. Ent., vii, 117, 1875; SMITH, C. 157. Col., Nev., Cal.
- *1320. **chorda** GROTE, Can. Ent., xii, 256, 1880; SMITH, C. 157. Col., Cal.
- *1321. **epipaschia** GROTE, Trans. Kans. Acad. Sci., viii, 49, 1882; SMITH, C. 157. Kans., N. Mex.
1322. **vulnerea** GROTE, Can. Ent., xv, 29, 1883; SMITH, C. 157. Ariz.
- *1323. **deserta** SMITH, Proc. U. S. Nat. Mus., xiii, 402, 1890; C. 157. Ariz.

ONCOCNEMIS Lederer.

LEDERER, Noct. Eur., 94, 1857.

1324. **hayesi** GROTE, Bull. Buff. Soc., i, 106, 1873; SMITH, C. 158. Col., Cal., B. C.
1325. **dayi** GROTE, Bull. Buff. Soc., i, 105, 1873; SMITH, C. 158. Col.
1326. **fasciatus** SMITH, Ins. Life, i, 18, 1888; C. 159. Col., Cal.
- *1327. **behrensi** GROTE, Bull. Buff. Soc., ii, 65, 1874; SMITH, C. 160. Cal.
1328. **mirificalis** GROTE, Bull. Geol. Surv. Terr., v, 207, 1879; SMITH, C. 158. Nev., Cal.
1329. **tenuifascia** SMITH, Ins. Life, i, 18, 1888; C. 159. Col.
1330. **umbrifascia** SMITH, Trans. Am. Ent. Soc., xxi, 64, 1894. Col.
1331. **levis** GROTE, Can. Ent., xii, 254, 1880; SMITH, C. 159. Ariz., Col.
1332. **augustus** HARVEY, Bull. Buff. Soc., iii, 73, 1875; SMITH, C. 159. Tex., Col.
1333. **saundersiana** GROTE, Can. Ent., viii, 29, 1876; SMITH, C. 160. Miss. Vall.
- *1334. **pernotata** GROTE, Can. Ent., xv, 25, 1883; SMITH, C. 160. Ariz.
1335. **homogena** GROTE, Bull. Geol. Surv. Terr., iii, 800, 1874; SMITH, C. 160. Col.
1336. **occata** GROTE, Trans. Am. Ent. Soc., v, 114, 1874; SMITH, C. 160. Tex., Col., Cal.
1337. **fortis** GROTE, Can. Ent., xii, 257, 1880; SMITH, C. 161. Nev., Cal.
- syn. *picina* GROTE, *vorax* BEHR.
1338. **chandleri** GROTE, Bull. Buff. Soc., i, 107, 1873; SMITH, C. 161. Col., Nev.

1339. *riparia* MORRISON, Can. Ent., vii, 213, 1875; SMITH, C. 161. N. Y., Mass.
- *1340. *extremis* SMITH, Ent. Amer., vi, 30, 1890; C. 160. B. C.
1341. *atrifasciata* MORRISON, Proc. Acad. Nat. Sci. Phil., 431, 1875; SMITH, C. 159. No. Atl States..
1342. *terminalis* SMITH, Ins. Life, i, 19, 1888; C. 159. Col.
- *1343. *simplex* SMITH, Ins. Life, i, 20, 1888; C. 159. Utah.
1344. *iricolor* SMITH, Ins. Life, i, 19, 1888; C. 160. Col.
1345. *glennyi* GROTE, Bull. Buff. Soc., i, 141, 1873; SMITH, C. 160. Col.
- *1346. *meadiana* MORRISON, Proc. Acad. Nat. Sci. Phil., 60, 1875; SMITH, C. 160. Ariz.
1347. *major* GROTE, Pap., i, 33, 1881; SMITH, C. 162. Ariz., Col.,
syn. *aqualis* GROTE, *curvicollis* GROTE. Cal.
1348. *colorado* SMITH, Ent. News, iv, 100, 1892; Trans. Am. Ent. Soc., xxi, 66, 1894; C. 161. Col.
1349. *corusca* SMITH, Jn. N. Y. Ent. Soc., vii, 40, 1899. Cal.
1350. *melalutea* SMITH, Jn. N. Y. Ent. Soc., vii, 39, 1899. Col.
1351. *melantho* SMITH, Jn. N. Y. Ent. Soc., vii, 37, 1899. Cal.
1352. *pohono* SMITH, Jn. N. Y. Ent. Soc., vii, 38, 1899. Cal.
- *1353. *pudorata* SMITH, Trans. Am. Ent. Soc., xxi, 63, 1894. B. C.
- *1354. *viriditincta* SMITH, Trans. Am. Ent. Soc., xxi, 66, 1894. B. C.
1355. *ciliata* SMITH, Proc. U. S. Nat. Mus., xxii, 478, 1900. Ariz.
- *1356. *barnesii* SMITH, Jn. N. Y. Ent. Soc., vii, 37, 1899. Wyo.
- *1357. *oblita* GROTE, Bull. Geol. Surv. Terr., iii, 117, 1877; SMITH, C. 162. Nev.
1358. *cibalis* GROTE, Can. Ent., xii, 244, 1880; SMITH, C. 162. Col.
- *1359. *balteata* SMITH, Jn. N. Y. Ent. Soc., x, 43, 1902. Col.
- *1360. *regina* SMITH, Jn. N. Y. Ent. Soc., x, 44, 1902. N.-W. Terri.
1361. *atricollaris* HARVEY, Bull. Buff. Soc., ii, 273, 1874; SMITH, C. 162. Tex., Ariz., Col.
1362. *griseicollis* GROTE, Can. Ent., xiv, 19, 1882; SMITH, C. 163. Ariz.
- *1363. *aterrima* GROTE, Can. Ent., xi, 199, 1879; SMITH, C. 163. Cal.

1364. **flagrantis** SMITH, Ins. Life, v, 330, 1893. Cal.
1365. **exemplaris** SMITH, Trans. Am. Ent. Soc., xxi, 64, 1894. Cal.
1366. **extranea** SMITH, Trans. Am. Ent. Soc., xxi, 68, 1894. Col.
1367. **nigrocaput** SMITH, Trans. Am. Ent. Soc., xxi, 67, 1894. Col.
1368. **refecta** SMITH, Trans. Am. Ent. Soc., xxi, 65, 1894. Col.

LEPIPOLYS Guenée.

(GUENÉE, Spec. Gén., vi, 173, 1852.

1369. **perscripta** GUENÉE, Spec. Gén., vi, 174, 1852; SMITH, C. 259. Atl. States, Col., Cal.

ADITA Grote.

(GROTE, Bull. Buff. Soc., ii, 63, 1874.

1370. **chionanthi** SMITH & ABBOT, Lep. Ins. Ga., ii, 195, 1797; SMITH, C. 158. Atl. States, Col.

COPIPANOLIS Grote.

GROTE, 6th Rept. Peab. Acad. Sci., app., 25, 1874.

- *1371. **borealis** SMITH, Proc. U. S. Nat. Mus., xv, 61, 1892; C. 112. Minn.
1372. **cubilis** GROTE, 6th Rept. Peab. Acad. Sci., app., 25, 1874; SMITH, C. 112. No. Atl. States.
1373. **fasciata** SMITH, Proc. U. S. Nat. Mus., xv, 61, 1892; C. 113. Mo., Tex.
- *1374. **stigma** SMITH, Ent. Amer., vi, 220, 1890; C. 113. Fla.

EUTOLYPE Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 189, 1874.

1375. **rolandi** GROTE, Proc. Acad. Nat. Sci. Phil., 198, 1874; SMITH, C. 112. Atl. States.
syn. *vernalis* MORRISON.
1376. **bombyciformis** SMITH, Proc. U. S. Nat. Mus., xv, 58, 1892; C. 112. Mass., Mo.
1377. **grandis** SMITH, Can. Ent., xxx, 321, 1898. Mo.
1378. **depilis** GROTE, Pap., i, 48, 1881; SMITH, C. 112. Atl. States.
- *1379. **damalis** GROTE, Bull. Geol. Surv. Terr., v, 208, 1880; SMITH, C. 112. Cal.

PSAPHIDIA Walker.

WALKER, Cat. Brit. Mus., xxxii, 447, 1865; *Dicopis* GROTE.

1380. **grotei** MORRISON, Bull. Buff. Soc., i, 274, 1874; SMITH, C. 111. No. Atl. States.
1381. **resumens** WALKER, Cat. Brit. Mus., xxxii, 448, 1865; SMITH, C. 111. Atl. States.
syn. *viridescens* WALKER, *muralis* GROTE.
- *1382. **electilis** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 114, 1875; SMITH, C. 111. Pa.
1383. **thaxterianus** GROTE, Bull. Buff. Soc., ii, 196, 1874; SMITH, C. 111; DYAR, Jn. N. Y. Ent. Soc., ix, 84, 1901. Atl. States.

CERAPODA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 68, 1894.

1384. **stylata** SMITH, Trans. Am. Ent. Soc., xxi, 69, 1894. Col.

FOTA Grote.

GROTE, Can. Ent., xiv, 174, 1882.

1385. **armata** GROTE, Can. Ent., xiv, 175, 181, 1882; SMITH, C. 183. Ariz.
1386. **minorata** GROTE, Can. Ent., xiv, 181, 1882; SMITH C. 183. Ariz.

PODAGRA Smith.

SMITH, Jn. N. Y. Ent. Soc., x, 48, 1902.

1387. **crassipes** SMITH, Jn. N. Y. Ent. Soc., x, 48, 1902. Ariz., Cal.

CRIMONA Smith.

SMITH, Jn. N. Y. Ent. Soc., x, 49, 1902.

- *1388. **pallimedia** SMITH, Jn. N. Y. Ent. Soc., x, 49, 1902. Cal.

RHYNCHAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 13, 1890.

1389. **gilvipennis** GROTE, 6th Rept. Peab. Acad. Sci., app., 24, 1874; SMITH, C. 50. No. Atl. States.
1390. **rufipectus** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 51. No. U. S., Cal.
1391. **brunneicollis** GROTE, Proc. Ent. Soc. Phil., iii, 524, 1864; SMITH, C. 51. No. Atl. States, Col.

1392. **minimalis** GROTE, No. Am. Ent., i, 45, 1879; SMITH, C. 52. Me., Col.
1393. **anchocelioides** GUENÉE, Spec. Gén., v, 384, 1852; SMITH, C. 52. No. Atl. States, Rocky Mts.
syn. *cupida* GROTE, *relata* WALKER.
a. brunneipennis GROTE, Can. Ent., vii, 187, 1875.
1394. **belfragei** SMITH, Bull. 38, U. S. Nat. Mus., 20, 1890; C. 53. Tex.
1395. **placida** GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 305, 1876; SMITH, C. 52. Rocky Mts., No. U. S.
1396. **variata** GROTE, Bull. Buff. Soc., iii, 83, 1876; SMITH, C. 53. Rocky Mts., B. C., Ariz.
syn. *varia* GROTE, *orbis* GROTE.
1397. **alternata** GROTE, Proc. Ent. Soc. Phil., iii, 526, 1864; SMITH, C. 53. Atl. States, Col.
1398. **trigona** SMITH, C. 53, 1893. Col., Cal., Oreg.
1399. **cupidissima** GROTE, Can. Ent., vii, 101, 1875; SMITH, C. 56. Cal.
- *1400. **bimarginalis** GROTE, Ann. Mag. Nat. Hist., 53, 1883; SMITH, C. 54. N. Mex.
1401. **vittifrons** GROTE, Proc. Ent. Soc. Phil., iii, 527, 1864; SMITH, C. 54. Col.
1402. **inelegans** SMITH, Trans. Am. Ent. Soc., xvii, 43, 1890; C. 54. Cal.
1403. **mirabilis** GROTE, No. Am. Ent., i, 39, 1879; SMITH, C. 54. Col., Ariz.
1404. **exsertistigma** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 166, 1874; SMITH, C. 55. Cal.
syn. *observabilis* GROTE.
1405. **formalis** GROTE, Bull. Buff. Soc., ii, 61, 1874; SMITH, C. 55. Pac. States.
a. facula GROTE, Bull. Buff. Soc., iii, 82, 1876.
syn. *insularis* GROTE, *emarginata* GROTE.
- *1406. **carissima** HARVEY, GROTE, Check List, 25, 1875; SMITH, C. 54. Cal.
- *1407. **lætula** GROTE, Bull. Buff. Soc., iii, 83, 1876; SMITH, C. 56. Pac. States.
syn. *distracta* SMITH.
1408. **discoidalis** GROTE, Bull. Buff. Soc., iii, 82, 1876; SMITH, C. 56. Nev., Oreg.

1409. **crenulata** SMITH, Proc. U. S. Nat. Mus., x, 451, 1887; C. 56. Pac. States.
- *1410. **confusa** SMITH, Proc. U. S. Nat. Mus., x, 452, 1887; C. 56. Wash.
- *1411. **costata** GROTE, Bull. Buff. Soc., iii, 80, 1876; SMITH, C. 55. Pac. States.
syn. *binominalis* SMITH.

ADELPHAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 38, 1890.

- *1412. **stellaris** GROTE, Can. Ent., xii, 153, 1880; SMITH, C. 57. Nev., Wash.
- *1413. **indeterminata** WALKER, Cat. Brit. Mus., xxxiii, 750, 1875; SMITH, C. 57. Pac. States.
syn. *innotabilis* GROTE, *washingtoniensis* GROTE.
- *1414. **quarta** GROTE, Bull. Geol. Surv. Terr., vi, 258, 1883; SMITH, C. 57. Cal.
1415. **prasina** FABRICIUS, Mant. Ins., ii, 169, 1787; SMITH, C. 57. No. Atl. States, Rocky Mts., Eur.
syn. *herbacea* GUENÉE.
1416. **apposita** GROTE, Bull. Geol. Surv. Terr., iv, 170, 1878; SMITH, C. 58. Pac. States, Col.

PLATAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 43, 1890.

1417. **speciosa** HÜBNER, Eur. Schmett., Noct., 491, 1815; SMITH, C. 58. No. Atl. States, Eur.
syn. *perquirita* MORRISON, *baileyana* GROTE, *mixta* WALKER.
a. arctica ZETTERSTEDT, Ins. Lapl., 339, 1839.
1418. **pressa** GROTE, Trans. Am. Ent. Soc., v, 90, 1874; SMITH, C. 59. Atl. States.
1419. **condita** GUENÉE, Spec. Gén., vi, 78, 1852; SMITH, C. 59. Atl. States.
syn. *trabalis* GROTE.
- *1420. **sincera** HERRICH-SCHAEFFER, Eur. Schmett., ii, 412, 1851; SMITH, C. 59. Lab.
1421. **imperita** HÜBNER, Zutr. exot. Schmett., f. 447, 1823; SMITH, C. 59. No. Atl. States.

EUERETAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 47, 1900.

1422. **sigmoides** GUENÉE, Spec. Gén., v, 325, 1852; SMITH, C. 60. Atl. States.
1423. **perattenta** GROTE, Can. Ent., vi, 131, 1874; SMITH, C. 60. Atl. States.
1424. **attenta** GROTE, Can. Ent., vi, 131, 1874; SMITH, C. 60. Atl. States.

ABAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 50, 1890.

1425. **erratica** SMITH, Bull. 38, U. S. Nat. Mus., 50, 1890; C. 60. Cal.

SEMIOPHORA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 138, 1829.

1426. **elimata** GUENÉE, Spec. Gén., v, 333, 1852; SMITH, C. 61. Atl. States

syn. *dilucidula* MORRISON.*a. badicollis* GROTE, Bull. Buff. Soc., i, 136, 1873.*b. janualis* GROTE, Bull. Geol. Surv. Terr., iv, 169, 1878.

1427. **opacifrons** GROTE, Bull. Geol. Surv. Terr., iv, 170, 1878; SMITH, C. 61. No. Atl. States.

1428. **tenebrifera** WALKER, Cat. Brit. Mus., xxxiii, 714, 1865; SMITH, C. 62. No. Atl. States.

syn. *catherina* GROTE, *manifestolabes* MORRISON.

1429. **youngii** SMITH, Can. Ent., xxxiv, 29, 1902. Can.

PACHNOBIA Guenée.

GUENÉE, Spec. Gén., v, 341, 1852.

- *1430. **monochromatea** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 62. Mass.

1431. **littoralis** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 36, 1868; SMITH, C. 62. Col., Mont., Dak.

a. pectinata GROTE, Proc. Acad. Nat. Sci. Phil., 207, 1874; SMITH, C. 63.syn. *ferruginoides* SMITH.

1432. **carnea** THUNBERG, Mus. Acad. Nat. Ups., Diss., iv, 56, 1788; SMITH, C. 64. Arctic Am.

a. cinerea STAUDINGER, Stett. ent. Zeit., xxii, 369, 1861.

1433. **cinerascens** SMITH, Trans. Am. Ent. Soc., xviii, 103, 1891; C. 64. Cal.
1434. **wockeï** MÖSCHLER, Wien. ent. Mon., vi, 130, 1862; SMITH, C. 64. N. H.,
Lab.
syn. *scropulana* MORRISON.
- *1435. **okakensis** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 38, 1867; SMITH, C. 64. N. H.,
Lab.
- *1436. **elevata** SMITH, Trans. Am. Ent. Soc., xviii, 104, 1891; C. 64. Col.
1437. **salicarum** WALKER, Cat. Brit. Mus., xi, 717, 1857; SMITH, C. 63. No. Atl.
States.
syn. *orilliana* GROTE, *claviformis* MORRISON.
- *1438. **manifesta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 116, 1875; SMITH, C. 62. Atl.
States.
- *1439. **hæsitans** WALKER, Cat. Brit. Mus., x, 329, 1856; SMITH, C. 63. Rocky
Mts.
1440. **fishii** GROTE, Bull. Geol. Surv. Terr., iv, 175, 1878; SMITH, C. 64. Me.

METALEPSIS Grote.

GROTE, Check list Noct., 25, 1875; *Pseudoglaea* GROTE.

- *1441. **cornuta** GROTE, Bull. Buff. Soc., ii, 68, 1874; SMITH, C. 210. Cal.
- *1442. **blanda** GROTE, Bull. Buff. Soc., iii, 86, 1875; SMITH, C. 210. Pac. States,
Col., Tex.
syn. *tædata* GROTE, *decepta* GROTE.

SETAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 59, 1890.

- *1443. **planifrons** SMITH, Trans. Am. Ent. Soc., xvii, 42, 1890; C. 65. B. C.
1444. **radiatus** SMITH, Proc. U. S. Nat. Mus., xxii, 418, 1900. Nev.
1445. **quebecensis** SMITH, Proc. U. S. Nat. Mus., xxii, 417, 1900. Can.
1446. **elata** SMITH, Jn. N. Y. Ent. Soc., vi, 106, 1898. Col.
1447. **terrifica** SMITH, Trans. Am. Ent. Soc., xxi, 42, 1894. Col.
1448. **congrua** SMITH, Trans. Am. Ent. Soc., xvii, 43, 1890; C. 65. Oreg.

1449. **vernalis** GROTE, Can. Ent., xi, 57, 1879; SMITH, C. 65. Col., Nev., Cal.
- *1450. **infimatis** GROTE, No. Am. Ent., i, 93, 1880; SMITH, C. 65. Cal., Wash.

AGROTIS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 66, 1816.

1451. **badinodis** GROTE, Can. Ent., vi, 13, 1874; SMITH, C. 65. Atl. States.
1452. **violaris** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 353, 1868; SMITH, C. 66. Pa., N. Y.
1453. **aurulenta** SMITH, Bull. 38, U. S. Nat. Mus., 215, 1890; C. 66. Col., Ariz., Neb.
1454. **ypsilon** ROTTEMBURG, Naturf., xli, 141, 1776; SMITH, C. 66. U. S., Eur.
syn. *suffusa* DENIS & SCHIFFERMÜLLER, *telifera* HARRIS, *idonea* CRAMER.
1455. **geniculata** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 349, 1868; SMITH, C. 66. Atl. States.
1456. **docilis** GROTE, Bull. Geol. Surv. Terr., vi, 259, 1882; SMITH, C. 68. Col.
syn. *ingeniculata* SMITH, Bull. 38, U. S. Nat. Mus., 216, 1890; C. 67.
- *1457. **bollii** GROTE, Bull. Geol. Surv. Terr., vi, 160, 1882; SMITH, C. 67. Tex.
- *1458. **dapsilis** GROTE, Bull. Geol. Surv. Terr., vi, 582, 1883; SMITH, C. 67. Fla.
- *1459. **nanalis** GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 67. Nev.
- *1460. **hero** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 238, 1876; SMITH, C. 67. Mass.
- *1461. **tenuicola** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 163, 1874; SMITH, C. 67. N. Y.

PERIDROMA Hübner.

HÜBNER, Verz. bek. Schmett., 227, 1816.

1462. **occulta** LINNÆUS, Syst. Nat., iv, 514, 1767; SMITH, C. 68. No. U. S.
- *1463. **præfica** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 117, 1875; SMITH, C. 68. Rocky Mts.
1464. **astrieta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 135, 1874; SMITH, C. 68. No. Atl. States, Col.

1465. **nigra** SMITH, Trans. Am. Ent. Soc., xxi, 43, 1894. Col.
- *1466. **grandipennis** GROTE, Ann. Mag. Nat. Hist., 54, 1883; SMITH, C. 69. N. Mex.
1467. **margaritosa** HAWORTH, Lep. Brit., 157, 1810. U. S., Eur.
a. saucia HÜBNER, Samml. Eur. Schmett., Noct., 378, 1816; SMITH, C. 69.
 syn. *inermis* HARRIS, *ortonii* PACKARD.
1468. **incivis** GUENÉE, Spec. Gén., v, 274, 1852; SMITH, C. 70. Atl. States,
 Cal.
 syn. *alabamæ* GROTE.
1469. **pellucidalis** GROTE, Bull. Geol. Surv. Terr., vi, 567, 1882; SMITH, C. 69. Tex.,
 Col.
1470. **rudens** HARVEY, Bull. Buff. Soc., ii, 271, 1874; SMITH, C. 69. Tex.
1471. **demutabilis** SMITH, Ins. Life, v, 328, 1893. Cal.
- *1472. **tenuescens** SMITH, Bull. 38, U. S. Nat. Mus., 73, 1890; C. 70. Neb.
1473. **simplaria** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 164, 1874; SMITH, C. 70. Tex.
1474. **digna** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 115, 1875; SMITH, C. 70. Tex.
 syn. *nigrovittata* GROTE.

NOCTUA Linnæus.

LINNÆUS, Syst. Nat., 508, 1758.

1475. **smithii** SNELLEN, Tijd. voor Ent., xxxix, 157, 1896; SMITH, Jn. N. Y. Ent. Soc., vi, 99, 1898. No. Atl.
 States.
1476. **normaniana** GROTE, Trans. Am. Ent. Soc., v, 89, 1874; SMITH, C. 71. Atl.
 States.
 syn. *obtusa* SPEYER.
1477. **esuralis** GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 72; Jn. N. Y. Ent. Soc., vi, 102, 1898. Wash.
1478. **bicarnea** GUENÉE, Spec. Gén., v, 329, 1852; SMITH, C. 71. Atl. States,
 Col.
 syn. *plagiata* WALKER.
1479. **treatii** GROTE, Can. Ent., vii, 186, 1875; SMITH, C. 71; Jn. N. Y. Ent. Soc., vi, 103, 1898. Mass.
- *1480. **conchis** GROTE, No. Am. Ent., i, 43, 1879; SMITH, C. 71. Col.,
 N. Mex.
1481. **c-nigrum** LINNÆUS, Syst. Nat., 516, 1758; SMITH, C. 72. Atl. States,
 Eur.

1482. **hospitalis** GROTE, Can. Ent., xiv, 184, 1882; N. Y.
SMITH, C. 72; Jn. N. Y. Ent. Soc., vi, 100, 1898.
1483. **jucunda** WALKER, Cat. Brit. Mus., x, 399, 1856; No.
SMITH, C. 72. U. S.
syn. *perconflua* GROTE.
1484. **phyllophora** GROTE, Bull. Buff. Soc., ii, 61, 1874; No. Atl.
SMITH, C. 72. States.
syn. *eriensis* GROTE.
1485. **rubifera** GROTE, Can. Ent., viii, 207, 227, 1875; No. Atl.
SMITH, C. 73; Jn. N. Y. Ent. Soc., vi, 100, 1898. States.
1486. **oblata** MORRISON, Proc. Bost. Soc. Nat. Hist., No.
xviii, 116, 1875; SMITH, C. 73. U. S.
syn. *hilliana* HARVEY.
1487. **rosaria** GROTE, Bull. Geol. Surv. Terr., iv, 172, Pac. States,
1878; SMITH, C. 73; Jn. N. Y. Ent. Soc., vi, Col.
102, 1898.
1488. **rava** HERRICH-SCHAEFFER, Schmett. Eur., vi, 59, Lab.,
1850; SMITH, C. 73. Nova Scotia.
syn. *umbrata* PACKARD.
1489. **fennica** TAUSCHER, Eversmann, Bull. Soc. Imp. No.
Mosc., i, 13, 1837; SMITH, C. 74. U. S.
syn. *intractata* WALKER.
1490. **plecta** LINNÆUS, Faun. Succ., 321, 1761; SMITH, No. Atl.
C. 74. States, Eur.
syn. *vicaria* WALKER.
1491. **collaris** GROTE & ROBINSON, Trans. Am. Ent. No. Atl.
Soc., i, 348, 1868; SMITH, C. 74. States.
- *1492. **juncta** GROTE, Bull. Geol. Surv. Terr., iv, 171, Nova Scotia,
1878; SMITH, C. 74. Alberta.
syn. *patefacta* SMITH, Ent. News, vi, 333, 1895.
1493. **haruspica** GROTE, Bull. Buff. Soc., ii, 212, 1875; No. U. S.
SMITH, C. 74.
syn. *grandis* SPEYER.
1494. **inopinatus** SMITH, Jn. N. Y. Ent. Soc., vi, 103, Col.,
1898. Alberta.
- *1495. **sierræ** HARVEY, Can. Ent., viii, 37, 1876; SMITH, Cal.,
C. 75. Col.
1496. **clandestina** HARRIS, Ins. Inj. Veg., 448, 1862; Atl. States,
SMITH, C. 75. Rocky Mts.
syn. *unicolor* WALKER, *nigriceps* WALKER.
1497. **clemens** SMITH, Trans. Am. Ent. Soc., xvii, 44, Cal.
1890; C. 75.

1498. **pyrophiloides** HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 78. Cal.
- *1499. **subporphyrea** WALKER, Cat. Brit. Mus., xiv, 1658, 1858; SMITH, C. 76. Ga.
1500. **havlæ** GROTE, Bull. Geol. Surv. Terr., vi, 157, 1880; SMITH, C. 76. Cal., Col.
1501. **piscipellis** GROTE, Can. Ent., x, 233, 1878; SMITH, C. 76. Col., Nev., Ariz.
1502. **atrifrons** GROTE, Bull. Buff. Soc., i, 97, 1873; SMITH, C. 77. Rocky Mts.
1503. **plebeia** SMITH, Jn. N. Y. Ent. Soc., vi, 105, 1898. B. C.
1504. **atricincta** SMITH, Ent. News, vi, 333, 1895. Alberta.
- *1505. **pallidicollis** GROTE, Bull. Geol. Surv. Terr., vi, 154, 1880; SMITH, C. 77. Cal.
1506. **substrigata** SMITH, Ent. News, vi, 352, 1895. Alberta.
1507. **flavotincta** SMITH, Trans. Am. Ent. Soc., xxi, 45, 1898. B. C.
1508. **calgary** SMITH, Jn. N. Y. Ent. Soc., vi, 101, 1898. Alberta.
1509. **exuberans** SMITH, Jn. N. Y. Ent. Soc., vi, 103, 1898. Col.
1510. **bolteri** SMITH, Jn. N. Y. Ent. Soc., vi, 104, 1898. N. Mex.
1511. **cynica** SMITH, Jn. N. Y. Ent. Soc., vi, 101, 1898. N. Y.
- *1512. **tepperi** SMITH, Proc. U. S. Nat. Mus., x, 452, 1887; C. 77. Mont.
1513. **vocalis** GROTE, Can. Ent., xi, 56, 1879; SMITH, C. 77. Col., Nev., N. Mex.
syn. *invenusta* GROTE.
1514. **lubricans** GUENÉE, Spec. Gén., v, 323, 1852; SMITH, C. 77. U. S.
syn. *associans* WALKER, *illapsa* WALKER.
a. beata GROTE, Ann. Mag. Nat. Hist., (5), xi, 54, 1883.
- *1515. **spretæ** SMITH, Jn. N. Y. Ent. Soc., x, 36, 1902. Fla.

PRONOCtua Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 44, 1894.

1516. **typica** SMITH, Trans. Am. Ent. Soc., xxi, 45, 1894. Col.

CHORIZAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 98, 1890.

1517. **auxiliaris** GROTE, Bull. Buff. Soc., i, 196, 1872; Col., Tex.,
SMITH, C. 78. Cal.
1518. **introferens** GROTE, Proc. Acad. Nat. Sci. Phil., Col., Tex.,
423, 1873; SMITH, C. 78. Cal.
1519. **agrestis** GROTE, Bull. Geol. Surv. Terr., iii, 118, Rocky Mts.,
1877; SMITH, C. 78. Tex., Cal.
syn. *mercenaria* GROTE.
1520. **soror** SMITH, Proc. U. S. Nat. Mus., x, 453, 1887; Mont.,
C. 78. Tex.
1521. **inconcinna** HARVEY, Bull. Buff. Soc., iii, 5, 1875; Ariz., Tex.,
SMITH, C. 78. Col.
- *1522. **terrealis** GROTE, Trans. Kans. Acad. Sci., viii, N. Mex.
47, 1882; SMITH, C. 79.
1523. **immixta** GROTE, Bull. Geol. Surv. Terr., vi, 259, Tex.
1882; SMITH, C. 79.
1524. **balanitis** GROTE, Bull. Buff. Soc., i, 97, 1873; Col.,
SMITH, C. 79. B. C.

RHIZAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 41, 1890.

1525. **albalis** GROTE, Bull. Geol. Surv. Terr., iv, 175, Col.
1878; SMITH, C. 80.
1526. **cloanthoides** GROTE, Bull. Geol. Surv. Terr., vi, Col.
153, 1880; SMITH, C. 80.
1527. **abnormis** SMITH, Trans. Am. Ent. Soc., xvii, 41, Cal.
1890; C. 79.
- *1528. **proclivis** SMITH, Proc. U. S. Nat. Mus., x, 453, Ariz.
1887; C. 79.
- *1529. **acclivis** MORRISON, Ann. Lyc. Nat. Hist. N. Y., Ariz., Tex.,
xi, 93, 1875; SMITH, C. 79. Col.
syn. *opaca* HARVEY.
1530. **albicosta** SMITH, Proc. U. S. Nat. Mus., x, 451, Rocky
1887; C. 80. Mts.
- *1531. **flavicollis** SMITH, Proc. U. S. Nat. Mus., x, 456, Rocky
1887; C. 90. Mts.
1532. **apicalis** GROTE, Bull. Geol. Surv. Terr., vi, 153, Col.,
1882; SMITH, C. 80. N. Mex.
1533. **larena** GROTE, Can. Ent., vii, 26, 1875; SMITH, Rocky Mts.,
C. 80. Cal.

- *1534. **atha** STRECKER, Lep. Rhop. Het., suppl. 2, 6, Wash.
1898.

FELTIA Walker.

WALKER, Cat. Brit. Mus., ix, 203, 1856.

1535. **robustior** SMITH, Can. Ent., xxxi, 206, 1899. Man.
- *1536. **olivia** MORRISON, Proc. Bost. Soc. Nat. Hist., Utah.
xviii, 238, 1876; SMITH, C. 80.
1537. **longidens** SMITH, Bull. 38, U. S. Nat. Mus., 217, N. Mex.
1890; C. 81.
1538. **subgothica** HAWORTH, Lep. Brit., 224, 1810; No:
SMITH, C. 81; Jn. N. Y. Ent. Soc., x, 36, 1902; U. S.
SLINGERLAND, Can. Ent., xxvii, 301, 1895;
xxviii, 295, 1896.
- *1539. **edentata** SMITH, Jn. N. Y. Ent. Soc., x, 38, 1902. Wash.
1540. **jaculifera** GUENÉE, Spec. Gén., v, 262, 1852. Atl. States,
SMITH, C. 81. Col.
- syn. *tricolor* LINTNER.
- a. **herilis** GROTE, Bull. Buff. Soc., i, 99, 1873;
SMITH, C. 82.
1541. **pectinicornis** SMITH, Bull. 38, U. S. Nat. Mus., Tex.
114, 1890; C. 82.
- *1542. **evanidalis** GROTE, Bull. Geol. Surv. Terr., iv, Cal.
172, 1878; SMITH, C. 82.
- *1543. **circumdata** GROTE, Ann. Mag. Nat. Hist., (5), N. Mex.
xi, 53, 1883; SMITH, C. 82.
1544. **gladiaria** MORRISON, Proc. Bost. Soc. Nat. Hist., Atl.
xvii, 162, 1874; SMITH, C. 82. States.
- syn. *morrisoniana* RILEY.
1545. **venerabilis** WALKER, Cat. Brit. Mus., x, 328, U. S.
1856; SMITH, C. 83.
1546. **gravis** GROTE, Bull. Buff. Soc., ii, 155, 1874; Cal.
SMITH, C. 83.
- syn. *vapularis* GROTE.
1547. **vancoverensis** GROTE, Bull. Buff. Soc., i, 134, Pac.
1873; SMITH, C. 83. States.
- syn. *hortulana* MORRISON, *semiclarata* GROTE,
agilis GROTE.
1548. **æneipennis** GROTE, Bull. Buff. Soc., iii, 81, 1876; Pac.
SMITH, C. 83. States.
- syn. *clodiana* GROTE.
1549. **volubilis** HARVEY, Bull. Buff. Soc., ii, 118, 1874; U. S.
SMITH, C. 84.
- syn. *stigmosa* MORRISON

1550. **anneza** TREITSCHKE, Schmett. Eur., v, 154, 1825; Atl. States,
SMITH, C. 84. So. Am.
syn. *decernens* WALKER.

1551. **malefida** GUENÉE, Spec. Gén., v, 267, 1852; U. S.,
SMITH, C. 84. So. Am.

POROSAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 123, 1890.

1552. **vetusta** WALKER, Cat. Brit. Mus., ix, 78, 1856; Atl. States,
SMITH, C. 85. Col.

syn. *murænula* GROTE & ROBINSON.

1553. **catenula** GROTE, No. Am. Ent., i, 44, 1879; Rocky Mts.,
SMITH, C. 85. Cal.

1554. **texana** GROTE, Proc. Ent. Soc. Phil., ii, 273, Tex., Col.,
1863; SMITH, C. 86. Mont.

syn. *obesula* SMITH, Proc. U. S. Nat. Mus., x,
456, 1887; C. 85.

1555. **satiens** SMITH, Trans. Am. Ent. Soc., xvii, 45, Col.,
1890; C. 85. B. C.

1556. **mimallonis** GROTE, Bull. Buff. Soc., i, 98, 1873; Mont., Col.,
SMITH, C. 85. Can., N. Y.

syn. *rufipennis* GROTE.

- *1557. **fusca** BOISDUVAL, Icon. Hist. Lep., pl. 48, f. 4, Lab.,
1834; SMITH, C. 86. Rocky Mts.

syn. *septentrionalis* MÖSCHLER, *patula*
WALKER.

1558. **tripars** WALKER, Cat. Brit. Mus., ix, 78, 1856; N. Y.,
SMITH, C. 86. Ind.

syn. *worthingtoni* GROTE.

1559. **rileyana** MORRISON, Proc. Bost. Soc. Nat. Hist., Atl. States,
xvii, 166, 1874; SMITH, C. 86. Rocky Mts.

1560. **orthogonia** MORRISON, Proc. Bost. Soc. Nat. Rocky
Hist., xviii, 239, 1876; SMITH, C. 87. Mts.

1561. **dædalus** SMITH, Bull. 38, U. S. Nat. Mus., 217, Col.
1890; C. 87.

- *1562. **dollii** GROTE, Can. Ent., xiv, 216, 1882; SMITH, Ariz.
C. 87.

1563. **milleri** GROTE, Bull. Buff. Soc., iii, 78, 1875; Cal.
SMITH, C. 87.

1564. **pluralis** GROTE, Bull. Geol. Surv. Terr., iv, 174, Nev.,
1878; SMITH, C. 87. Col.

PARAGROTIS Pratt.

Carneades GROTE (not BATES), Can. Ent., xv, 4, 1883.—F. C. PRATT.

1565. **edictalis** SMITH, Trans. Am. Ent. Soc., xxi, 40, 1894. Col.
1566. **siccata** SMITH, Trans. Am. Ent. Soc., xxi, 46, 1894. Col.
1567. **wilsonii** GROTE, Bull. Buff. Soc., i, 135, 1873; SMITH, C. 88. Cal., Col.
- syn. *specialis* GROTE, *æqualis* HARVEY.
1568. **lacunosa** GROTE, Bull. Geol. Surv. Terr., iv, 172, 1878; SMITH, C. 88. Cal.
1569. **segregata** SMITH, Trans. Am. Ent. Soc., xxi, 47, 1894. Col.
1570. **lætificans** SMITH, Trans. Am. Ent. Soc., xxi, 48, 1894. Col.
1571. **recula** HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 88. Oreg., Col.
1572. **cicatricosa** GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 492, 1865; SMITH, C. 88. Col.
1573. **neomexicana** SMITH, Bull. 38, U. S. Nat. Mus., 218, 1890; C. 88. N. Mex.
1574. **quadridentata** GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 491, 1865; SMITH, C. 89. Col., Oreg.
1575. **niveilinea** GROTE, Can. Ent., xiv, 216, 1882; SMITH, C. 89. Rocky Mts., Tex.
- *1576. **insertans** SMITH, Trans. Am. Ent. Soc., xvii, 45, 1890; C. 89. B. C.
1577. **brevipennis** SMITH, Proc. U. S. Nat. Mus., x, 455, 1887; C. 89. Cal., Col.
1578. **oblongostigma** SMITH, Proc. U. S. Nat. Mus., x, 454, 1887; C. 89. Mont., Col.
1579. **plagigera** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 163, 1874; SMITH, C. 89. No. U. S.
- *1580. **agema** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
1581. **olivalis** GROTE, No. Am. Ent., i, 43, 1879; SMITH, C. 89. Col., Utah.
1582. **ridingsiana** GROTE, Bull. Buff. Soc., ii, 305, 1875; SMITH, C. 90. Rocky Mts.
- *1583. **dargo** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Col.

1584. **pugionis** SMITH, Proc. U. S. Nat. Mus., xxii, 419, 1900. Col.
1585. **flavidens** SMITH, Proc. U. S. Nat. Mus., x, 455, 1887; C. 90. Rocky Mts.
1586. **loya** SMITH, Proc. U. S. Nat. Mus., xxii, 422, 1900. Cal.
1587. **bicollaris** GROTE, Bull. Geol. Surv. Terr., iv, 173, 1878; SMITH, C. 90. Cal., Nev., Ariz.
1588. **brocha** MORRISON, Proc. Acad. Nat. Sci. Phil., 56, 1875; SMITH, C. 90. Col., Nev., Kans., Neb.
syn. *bochus* MORRISON.
1589. **sponsa** SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 90. Wash.
1590. **cogitans** SMITH, Trans. Am. Ent. Soc., xvii, 46, 1890; C. 90. Cal., Col.
- *1591. **achor** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
1592. **stigmatalis** SMITH, Proc. U. S. Nat. Mus., x, ii, 425, 1900. Col.
1593. **hollemani** GROTE, Can. Ent., vi, 156, 1874; SMITH, C. 91. Cal., Ariz., Col.
1894. **collocata** SMITH, Trans. Am. Ent. Soc., xxi, 50, 1894. Col.
1595. **nevada** SMITH, Proc. U. S. Nat. Mus., xxii, 420, 1900. Nev.
- *1596. **atristrigata** SMITH, Ent. Amer., vi, 76, 1890; C. 91. B. C.
1597. **biclavis** GROTE, Bull. Geol. Surv. Terr., v, 206, 1879; SMITH, C. 91. Ariz.
1598. **perpolita** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 237, 1876; SMITH, C. 91. No. Atl. States, Col.
1599. **fumalis** GROTE, Bull. Buff. Soc., i, 98, 1873; SMITH, C. 91. Atl. States.
syn. *permunda* MORRISON.
1600. **perfusca** GROTE, Pap., iii, 77, 1883; SMITH, C. 91. Cal., Col., Ariz.
1601. **punctigera** WALKER, Cat. Brit. Mus., xxxii, 661, 1865; SMITH, C. 92. Pac. States, Rocky Mts.
syn. *pastoralis* GROTE.
1602. **finis** SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 92. Mont.
1603. **velleripennis** GROTE, Sixth Rept. Peab. Acad. Sci., app., 25, 1874; SMITH, C. 92. Atl. States, Col.

1604. **atomaris** SMITH, Trans. Am. Ent. Soc., xvii, 47, 1890; C. 92. Cal., Col.
1605. **flaviscapula** SMITH, Proc. U. S. Nat. Mus., xxii, 422, 1900. N. Mex.
1606. **exulta** SMITH, Proc. U. S. Nat. Mus., xxii, 424, 1900. Col.
1607. **excogita** SMITH, Proc. U. S. Nat. Mus., xxii, 423, 1900. Col.
1608. **gagates** GROTE, Can. Ent., vii, 68, 1875; SMITH, C. 92. Col., Cal.
1609. **nævulus** SMITH, Proc. U. S. Nat. Mus., xxii, 424, 1900. Cal.
1610. **citricolor** GROTE, Can. Ent., xii, 154, 1880; SMITH, C. 92. Rocky Mts.
1611. **acornis** SMITH, Ent. News, vi, 335, 1895. Alberta.
1612. **megastigma** SMITH, Proc. U. S. Nat. Mus., xxii, 425, 1900. Alberta.
1613. **mœrens** GROTE, Can. Ent., xv, 4, 1883; SMITH, C. 93. Ariz.
1614. **misturata** SMITH, Bull. 38, U. S. Nat. Mus., 156, 1890; C. 92. Col.
1615. **mitis** SMITH, Trans. Am. Ent. Soc., xxi, 49, 1894. Col.
1616. **candida** SMITH, Trans. Am. Ent. Soc., xxi, 49, 1894. Mont.
1617. **contagionis** SMITH, Proc. U. S. Nat. Mus., xxii, 421, 1900. Col., Nev.
- *1618. **dolis** GROTE, No. Am. Ent., i, 91, 1880; SMITH, C. 93. Col.
1619. **falerina** SMITH, Proc. U. S. Nat. Mus., xxii, 429, 1900. Col.
1620. **scandens** RILEY, First Rept. Ins. Mo., 76, 1869; SMITH, C. 93. Atl. States, Col.
- *1621. **detesta** SMITH, C. 93, 1893. Col.
1622. **remota** SMITH, Trans. Am. Ent. Soc., xvii, 48, 1890; C. 93. Cal., Col.
1623. **detersa** WALKER, Cat. Brit. Mus., ix, 212, 1856; SMITH, C. 93. Atl. States, Col.
syn. *pitychrous* GROTE, *personata* MORRISON.
- *1624. **infracta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 115, 1875; SMITH, C. 93. Col., Tex.
- *1625. **gian** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Ariz.

- *1626. **azif** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. N. Y.
1627. **luteola** SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 94. Ariz.
- *1628. **serricornis** SMITH, Proc. U. S. Nat. Mus., x, 458, 1887; C. 94. So. Cal.
- *1629. **tetrica** SMITH, Proc. U. S. Nat. Mus., x, 458, 1887; C. 94. Tex., Nev.
1630. **vulpina** SMITH, Ent. News, vi, 335, 1895. Alberta.
1631. **bostoniensis** GROTE, Proc. Acad. Nat. Sci. Phil., 203, 1874; SMITH, C. 94. Atl. States.
1632. **cænis** GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 94. Col., N. Mex.
1633. **muscosa** GROTE, Can. Ent., xv, 26, 1883; SMITH, C. 94. Col.
1634. **medialis** SMITH, Proc. U. S. Nat. Mus., x, 459, 1887; C. 95. Tex., Col.
1635. **feniseca** HARVEY, Bull. Buff. Soc., iii, 74, 1875; SMITH, C. 95. Cal.
1636. **audentis** SMITH, Trans. Am. Ent. Soc., xxi, 51, 1894. Col.
syn. *annir* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898.
1637. **cona** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Col.
1638. **enteridis** SMITH, Proc. U. S. Nat. Mus., xxii, 427, 1900. Wash.
1639. **vallus** SMITH, Proc. U. S. Nat. Mus., xxii, 430, 1900. B. C.
1640. **termessus** SMITH, Proc. U. S. Nat. Mus., xxii, 426, 1900. Wyo.
- *1641. **alko** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
1642. **dakota** SMITH, Proc. U. S. Nat. Mus., xxii, 442, 1900. Dak.
1643. **sessile** SMITH, Proc. U. S. Nat. Mus., xxii, 431, 1900. Col.
1644. **relaxus** SMITH, Proc. U. S. Nat. Mus., xxii, 432, 1900. Cal.
1645. **luteositus** SMITH, Proc. U. S. Nat. Mus., xxii, 433, 1900. Col.

- *1646. **extranea** SMITH, Proc. U. S. Nat. Mus., x, 459, 1887; C. 95. Mont.
- *1647. **trifasciata** SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 95. Oreg.
1648. **bifasciata** SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 95. Ariz.
1649. **messoria** HARRIS, Rep. Ins. Mass., 324, 1841; SMITH, C. 96; Proc. U. S. Nat. Mus., xxii, 434, 1900. U. S.
- syn. *spissa* GUENÉE, *cochrani* RILEY, *repentis* GROTE & ROBINSON, *displiciens* WALKER, *reticens* WALKER, *ordinata* WALKER, *inextricata* WALKER, *indirecta* WALKER, *septentrionalis* WALKER, *inducta* WALKER.
1650. **incubita** SMITH, Proc. U. S. Nat. Mus., xxii, 435, 1900. Wash., Cal.
1651. **terrenus** SMITH, Proc. U. S. Nat. Mus., xxii, 436, 1900. Wash.
1652. **pleuritica** GROTE, Check List, 47, 1875; SMITH, C. 97. No. Atl. States.
1653. **tocoyæ** SMITH, Proc. U. S. Nat. Mus., xxii, 433, 1900. Cal.
1654. **territoralis** SMITH, Proc. U. S. Nat. Mus., xxii, 436, 1900. Col., Wash.
1655. **fulda** SMITH, Proc. U. S. Nat. Mus., xxii, 437, 1900. Cal.
- *1656. **drewseni** STAUDINGER, Stett. ent. Zeit., xviii, 302, 1857; SMITH, C. 97. Greenl.
1657. **rubefactalis** GROTE, Bull. Geol. Surv. Terr., vi, 154, 1880; SMITH, C. 97. Wash., Col.
1658. **perturbata** SMITH, Bull. 38, U. S. Nat. Mus., 222, 1890; C. 97. Col.
1659. **brunneigera** GROTE, Bull. Buff. Soc., iii, 80, 1875; SMITH, C. 98. Pac. States, Col., La.
1660. **incallida** SMITH, Trans. Am. Ent. Soc., xvii, 50, 1890; C. 98. Cal.
1661. **lutulenta** SMITH, Trans. Am. Ent. Soc., xvii, 50, 1890; C. 98. Cal., Col.
- *1662. **comosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 238, 1876; SMITH, C. 95. Col.
- *1663. **fauna** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 237, 1876; SMITH, C. 98. Cal.

1664. **itodes** SMITH, Proc. U. S. Nat. Mus., xxii, 438, 1900. Ariz.
1665. **lagganæ** SMITH, Proc. U. S. Nat. Mus., xxii, 439, 1900. Alberta.
1666. **ontario** SMITH, Proc. U. S. Nat. Mus., xxii, 440, 1900. Can.
1667. **testula** SMITH, Proc. U. S. Nat. Mus., xxii, 440, 1900. Alberta.
1668. **difformis** SMITH, Proc. U. S. Nat. Mus., xxii, 441, 1900. Oreg.
1669. **choris** HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 97. Nev.
1670. **sculptilis** HARVEY, Bull. Buff. Soc., ii, 271, 1874; SMITH, C. 95. Tex.,
N. Mex.
syn. *xyliniformis* SMITH.
1671. **conjuncta** SMITH, Bull. 38, U. S. Nat. Mus., 221, 1890; C. 98. N. Mex.,
Col.
1672. **pallipennis** SMITH, Proc. U. S. Nat. Mus., x, 461, 1887; C. 104. Col.,
B. C.
1673. **recticincta** SMITH, Ent. News, vi, 334, 1895. Alberta.
1674. **annulipes** SMITH, Trans. Am. Ent. Soc., xvii, 48, 1890; C. 98. Oreg.
1675. **pedalis** SMITH, Bull. 38, U. S. Nat. Mus., 220, 1890; C. 98. Col.
1676. **lineifrons** SMITH, Bull. 38, U. S. Nat. Mus., 219, 1890; C. 98. Col.
1677. **kervillei** SMITH, Proc. U. S. Nat. Mus., xxii, 443, 1900. Tex.
- *1678. **teleboa** SMITH, Bull. 38, U. S. Nat. Mus., 219, 1890. N. Mex.,
Col.
1679. **murdockii** SMITH, Trans. Am. Ent. Soc., xvii, 49, 1890; C. 99. Utah,
B. C.
1680. **quinquelinea** SMITH, Trans. Am. Ent. Soc., xvii, 49, 1890; C. 99. Cal.
1681. **friabilis** GROTE, Can. Ent., vii, 187, 1875; SMITH, C. 99. No. U. S.
1682. **fuscigera** GROTE, Can. Ent., vi, 155, 1874; SMITH, C. 99. Cal.,
Col.
- *1683. **orbicularis** SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 99. Nev.

- *1684. **micronyx** GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 99. Cal.
1685. **atropulverea** SMITH, Proc. U. S. Nat. Mus., xxii, 428, 1900. Col.
- *1686. **numa** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. Wash.
1687. **ternarius** SMITH, Proc. U. S. Nat. Mus., xxii, 444, 1900. Col.
1688. **compressipennis** SMITH, Proc. U. S. Nat. Mus., xxii, 429, 1900. Cal.
1689. **holoberba** SMITH, Proc. U. S. Nat. Mus., xxii, 443, 1900. Alberta.
1690. **objurgata** SMITH, Proc. U. S. Nat. Mus., xxii, 448, 1900. Wash., Dak.
1691. **cariosus** SMITH, Proc. U. S. Nat. Mus., xxii, 449, 1900. Wash.
1692. **intrita** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 164, 1874; SMITH, C. 99. B. C., Cal., Ariz.
- *1693. **mollis** WALKER, Cat. Brit. Mus., x, 331, 1856; SMITH, C. 100. Me., Can., Col.
syn. *fernaldi* MORRISON.
- *1694. **opipara** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 100. N. H., Lab.
syn. *labradoriensis* STAUDINGER.
- *1695. **tristicula** MORRISON, Proc. Acad. Nat. Sci. Phil., 429, 1875; SMITH, C. 100. Me.
1696. **munis** GROTE, No. Am. Ent., i, 38, 1879; SMITH, C. 100. Col., Nev., N. Mex.
syn. *sublatis* GROTE.
- *1697. **dissona** MÖSCHLER, Wien. ent. Mon., iv, 365, 1860; SMITH, C. 101. Lab.
1698. **vetusta** WALKER, Cat. Brit. Mus., xxxii, 662, 1865; SMITH, C. 101. Pac. States.
syn. *tetra* WALKER, *euroides* GROTE, *perpura* MORRISON.
1699. **titubatis** SMITH, Trans. Am. Ent. Soc., xxi, 51, 1894. Oreg., Col.
- *1700. **reuda** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Wash.
1701. **noctuiformis** SMITH, Proc. U. S. Nat. Mus., xxii, 445, 1900. Cal., Wash.

1702. **infausta** WALKER, Cat. Brit. Mus., xxxiii, 729, 1865; SMITH, C. 101. B. C., Col., N. Mex.
syn. *rufula* SMITH.
1703. **basiflava** SMITH, Trans. Am. Ent. Soc., xvii, 52, 1890; C. 101. B. C., Col.
1704. **alticola** SMITH, Trans. Am. Ent. Soc., xvii, 51, 1890; C. 101. Cal., Col.
- *1705. **satis** HARVEY, Can. Ent., viii, 36, 1876; SMITH, C. 102. Cal., Nev., Mont.
1706. **rena** SMITH, Trans. Am. Ent. Soc., xvii, 53, 1890; C. 102. Cal.
1707. **insulsa** WALKER, Cat. Brit. Mus., ix, 234, 1856; SMITH, C. 102. U. S.
syn. *insignata* WALKER, *expulsa* WALKER, *declarata* WALKER, *decolor* MORRISON, *campestris* GROTE.
a. verticalis GROTE, Bull. Brook. Ent. Soc., iii, 29, 1880.
1708. **albipennis** GROTE, Bull. Buff. Soc., iii, 118, 1877; SMITH, C. 103. Atl. States, Rocky Mts.
syn. *nigripennis* GROTE.
- *1709. **spectanda** SMITH, Trans. Am. Ent. Soc., xvii, 54, 1890; C. 103. Cal.
1710. **neotelis** SMITH, Proc. U. S. Nat. Mus., xxii, 446, 1900. Wash. Col.
1711. **tessellata** HARRIS, Rep. Ins. Mass., 324, 1841; SMITH, C. 103. U. S.
syn. *maizi* FITCH, *atropurpurea* GROTE.
1712. **intrusa** SMITH, Proc. U. S. Nat. Mus., xxii, 446, 1900. Cal.
1713. **atrofusca** SMITH, Proc. U. S. Nat. Mus., xxii, 447, 1900. Col.
1714. **malis** SMITH, Proc. U. S. Nat. Mus., xxii, 450, 1900. Man.
- *1715. **colla** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Col.
1716. **basalis** GROTE, No. Am. Ent., i, 38, 1879; SMITH, C. 104. Col.
- *1717. **solitaria** SMITH, Stett. ent. Zeit., xlvi, 223, 1885; C. 104. Lab.
1718. **nostra** SMITH, Trans. Am. Ent. Soc., xvii, 55, 1890; C. 104. Cal.

1719. **ochrogaster** GUENÉE, Spec. Gén., v, 327, 1852; SMITH, C. 104. No. Atl. States, Col.
 syn. *illata* WALKER, *cinereomaculata* MORRISON, *gularis* GROTE, *turris* GROTE.
1720. **idahoensis** GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 105. Rocky Mts.
1721. **furtivus** SMITH, Trans. Am. Ent. Soc., xvii, 56, 1890; C. 105. Cal., Col.
- *1722. **westermanni** STAUDINGER, Stett. ent. Zeit., xviii, 303, 1857; SMITH, C. 105. Lab., Greenl.
1723. **fœminalis** SMITH, Proc. U. S. Nat. Mus., xxii, 454, 1900. Col.
1724. **obeliscoides** GUENÉE, Spec. Gén., v, 293, 1852; SMITH, C. 105. No. Atl. States, Rocky Mts.
 syn. *sexatilis* GROTE.
1725. **infusa** SMITH, Can. Ent., xxxiv, 30, 1902. Man., Wyo.
1726. **perexcellens** GROTE, Bull. Geol. Surv. Terr., vi, 156, 1880; SMITH, C. 106. Pac. States, Col.
 syn. *infelix* SMITH.
- *1727. **abar** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
- *1728. **islandica** STAUDINGER, Stett. ent. Zeit., xviii, 232, 1857; SMITH, C. 106. Iceland.
1729. **henrietta** SMITH, Proc. U. S. Nat. Mus., xxii, 452, 1900. Cal., Ariz.
1730. **vanidicus** SMITH, Proc. U. S. Nat. Mus., xxii, 453, 1900. Ariz., Wash.
1731. **acutifrons** SMITH, Proc. U. S. Nat. Mus., xxii, 458, 1900. Cal., Oreg.
1732. **nordica** SMITH, Proc. U. S. Nat. Mus., xxii, 455, 1900. B. C.
1733. **factoris** SMITH, Proc. U. S. Nat. Mus., xxii, 456, 1900. Col.
- *1734. **colata** GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 106. Oreg., Cal.
- *1735. **lewisi** GROTE, Bull. Buff. Soc., i, 137, 1873; SMITH, C. 106. Col.
1736. **divergens** WALKER, Cat. Brit. Mus., x, 327, 1856; SMITH, C. 107. No. U. S.
 syn. *versipellis* GROTE.
1737. **redimicula** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 107. No. Atl. States, Col.
1738. **servitus** SMITH, Ent. News, vi, 336, 1895. Col., Alberta.

1739. **fusimacula** SMITH, Can. Ent., xxxiv, 125, 1902. Cal.
1740. **pindar** SMITH, Proc. U. S. Nat. Mus., xxii, 451, 1900. Utah.
- *1741. **atrifera** GROTE, Bull. Geol. Surv. Terr., iv, 173, 1878; SMITH, C. 107. Cal., Col., Me.
- *1742. **strigilis** GROTE, Bull. Buff. Soc., iii, 81, 1876; SMITH, C. 107. B. C.
1743. **tesselloides** GROTE, Bull. Geol. Surv. Terr., vi, 566, 1880; SMITH, C. 107. Cal., Ariz., Col.
1744. **cæsius** SMITH, Proc. U. S. Nat. Mus., xxii, 457, 1900. Cal.
1745. **silens** GROTE, Can. Ent., vii, 67, 1875; SMITH, C. 107. Cal., Ariz., Col.
1746. **laminis** SMITH, Proc. U. S. Nat. Mus., xxii, 460, 1900. Cal.
1747. **selenis** SMITH, Proc. U. S. Nat. Mus., xxii, 459, 1900. Cal.
- *1748. **perlentans** WALKER, Cat. Brit. Mus., x, 352, 1856; SMITH, C. 108. N. Y.

EUCOPTOCNEMIS Grote.

GROTE, Bull. Buff. Soc., ii, 13, 1874.

1749. **fimbriaris** GUENÉE, Spec. Gén., v, 172, 1852; SMITH, C. 109. Mass.
- syn. *obvia* WALKER.

RICHIA Grote.

GROTE, Can. Ent., xix, 44, 1887.

1750. **chortalis** HARVEY, Bull. Buff. Soc., ii, 272, 1875; SMITH, C. 108. Tex., Rocky Mts.
- a. **atratrix** HARVEY, Bull. Buff. Soc., iii, 74, 1875.
1751. **parentalis** GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 108. Col., N. Mex.
- a. **decipiens** GROTE, No. Am. Ent., i, 45, 1879.
- *1752. **distichoides** GROTE, Trans. Kans. Acad. Sci., viii, 48, 1883; SMITH, C. 109. N. Mex.

ANYTUS Grote.

GROTE, Bull. Buff. Soc., i, 144, 1873.

1753. **privatus** WALKER, Cat. Brit. Mus., xi, 521, 1857; SMITH, C. 109. Atl. States, Col.
- syn. *sculptus* GROTE.
- a. **planus** GROTE, Can. Ent., xiv, 183, 1882.

- *1754. **theodora** SCHAU, Trans. Am. Ent. Soc., xxi, 223, 1894 (of this genus?). Ariz., Mex.
1755. **atristrigatus** SMITH, Proc. U. S. Nat. Mus., xxii, 460, 1900. Tex.
1756. **profundus** SMITH, Can. Ent., xxxii, 218, 1900. Man.
1757. **obscurus** SMITH, Can. Ent., xxxii, 218, 1900. Alberta.

UFEUS Grote.

GROTE, Bull. Buff. Soc., i, 101, 1873.

- *1758. **sagittarius** GROTE, Pap., iii, 31, 1883; SMITH, C. 190. Cal.
1759. **plicatus** GROTE, Bull. Buff. Soc., i, 102, 1873; SMITH, C. 190. No. Atl. States, Col., Cal.
syn. *barometricus* GOOSSENS, Le Nat., iii, 380, 1881.
1760. **unicolor** GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878; SMITH, C. 190. Ill., Col.
- *1761. **faunus** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. N. Mex.
1762. **satyricus** GROTE, Bull. Buff. Soc., i, 101, 1873; SMITH, C. 191. No. Atl. States.

AGROTIPHILA Grote.

GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 107, 1875.

1763. **alaskæ** GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 110. Alaska.
1764. **incognita** SMITH, Trans. Am. Ent. Soc., xxi, 52, 1894. B. C.
- *1765. **standingeri** MÖSCHLER, Wien. ent. Mon., vi, 132, 1862; SMITH, C. 110. Lab., N. H., Col.
syn. *montana* MORRISON.
1766. **rigida** SMITH, Trans. Am. Ent. Soc., xviii, 133, 1891; C. 110. Col.
1767. **maculate** SMITH, Trans. Am. Ent. Soc., xxi, 53, 1894. B. C.
1768. **colorado** SMITH, Trans. Am. Ent. Soc., xviii, 133, 1891; C. 110. Col.
- *1769. **velata** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Tex.

PTEROSCIA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 155, 1874.

- *1770. **atrata** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 156, 1874; SMITH, C. 191. N. H.

MAMESTRA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 76, 1816.

1771. **discalis** GROTE, Bull. Geol. Surv. Terr., iii, 797, 1877; SMITH, C. 114. Col., Cal., N. Mex.
1772. **rogenhoferi** MÖSCHLER, Stett. ent. Zeit., xxxi, 269, 1870; SMITH, C. 114. Lab.
1773. **nimbosa** GUENÉE, Spec. Gén., vi, 77, 1852; SMITH, C. 114. No. Atl. States.
1774. **imbrifera** GUENÉE, Spec. Gén., vi, 76, 1852; SMITH, C. 114. No. Atl. States.
1775. **purpurissata** GROTE, Proc. Ent. Soc. Phil., iii, 82, 1864; SMITH, C. 114. No. Atl. States.
1776. **juncimacula** SMITH, Bull. Brook. Ent. Soc., v, 67, 1882; C. 114. Col.
1777. **insolens** GROTE, Bull. Buff. Soc., ii, 65, 1874; SMITH, C. 115. Cal.
syn. *arietis* GROTE, *earina* MORRISON.
1778. **leucogramma** GROTE, Bull. Buff. Soc., i, 140, 1873; SMITH, C. 115. Cal.
1779. **lepidula** SMITH, Proc. U. S. Nat. Mus., x, 463, 1887; C. 115. Tex.
1780. **determinata** SMITH, Proc. U. S. Nat. Mus., xiv, 209, 1891; C. 115. Col.
1781. **meditata** GROTE, Bull. Buff. Soc., i, 104, 1873; SMITH, C. 115. Atl. States.
1782. **lustralis** GROTE, Can. Ent., vii, 223, 1875; SMITH, C. 115. Atl. States, Col., Ariz.
syn. *suffusa* SMITH, Proc. U. S. Nat. Mus., x, 474, 1887; C. 203.
1783. **detracta** WALKER, Cat. Brit. Mus., xi, 733, 1857; SMITH, C. 116. Atl. States, N. Mex.
syn. *claviplena* GROTE.
1784. **gnata** GROTE, Can. Ent., xiv, 170, 1882; SMITH, C. 116. Ariz., N. Mex.
1785. **distincta** HÜBNER, Samml. exot. Schmett., i, 1810; SMITH, C. 116. Atl. States, Col.
syn. *vitis* FRENCH.
1786. **crotchii** GROTE, Bull. Brook. Ent. Soc., iii, 29, 1880; SMITH, C. 116. Col., Oreg., Cal.
a. fusculenta SMITH, Proc. U. S. Nat. Mus., xiv, 213, 1891.
1787. **farnhami** GROTE, Bull. Buff. Soc., i, 103, 1873; SMITH, C. 116. Col.

1788. **liquida** GROTE, Pap., i, 58, 1881; SMITH, C. 116. Wash.,
Oreg., Cal.
1789. **capsularis** GUENÉE, Spec. Gén., vi, 22, 1852; Atl. States,
SMITH, C. 117. Col.
- syn. *propulsa* WALKER.
- *1790. **vittula** GROTE, Trans. Kans. Acad. Sci., viii, 48, N. Mex.
1882; SMITH, C. 117.
1791. **prodeniformis** SMITH, Proc. U. S. Nat. Mus., ix, Ariz.,
464, 1887; C. 117. N. Mex.
1792. **atlantica** GROTE, Bull. Buff. Soc., ii, 12, 1874; Atl.
SMITH, C. 117. States.
- syn. *discolor* SPEYER.
1793. **radix** WALKER, Cat. Brit. Mus., x, 332, 1856; No. U. S.,
SMITH, C. 117. Cal.
- syn. *dimmocki* GROTE, *desperata* SMITH.
- *1794. **canadensis** SMITH, Proc. U. S. Nat. Mus., x, 464, New
1887; C. 118. Bruns.
- *1795. **nevadæ** GROTE, Bull. Buff. Soc., iii, 84, 1876; Cal.
SMITH, C. 118.
1796. **subjuncta** GROTE & ROBINSON, Trans. Am. Ent. Atl. States,
Soc., ii, 198, 1868; SMITH, C. 118. Col.
1797. **gussata** SMITH, Ent. News, vi, 337, 1895. Alberta.
1798. **ingravis** SMITH, Ent. News, vi, 337, 1895; ix, 250, Alberta.
1898.
1799. **invalida** SMITH, Proc. U. S. Nat. Mus., xiv, 225, Pac. States,
1891; C. 119. Col.
1800. **grandis** BOISDUVAL, Guenée, Ind. Méth., 120, No. U. S.
1840; SMITH, C. 118.
- syn. *libera* WALKER.
1801. **trifolii** ROTTEMBURG, Naturf., ix, 131, 1776; U. S.,
SMITH, C. 119. Eur.
- syn. *chenopodii* FABRICIUS, *albifusa* WALKER,
glaucovaria WALKER, *major* SPEYER.
- n. oregonica* GROTE, Can. Ent., xiii, 230, 1881.
1802. **n-scripta** SMITH, Proc. U. S. Nat. Mus., xiv, 228, Cal.,
1891; C. 119. Col.
1803. **rosea** HARVEY, Bull. Buff. Soc., ii, 119, 1874; No. U. S.
SMITH, C. 120.
1804. **larissa** SMITH, Ent. News, vi, 338, 1895. Alberta.
1805. **congermana** MORRISON, Can. Ent., vi, 106, 1874; No. Atl.
SMITH, C. 120. States, Col.
- *1806. **rubefacta** MORRISON, Can. Ent., vi, 249, 1874; No. Atl.
SMITH, C. 120. States.

1807. **picta** HARRIS, Rep. Ins. Mass., 329, 1847; SMITH, C. 120. Atl. States, Col.
syn. *exusta* GUENÉE, *contraria* WALKER.
1808. **cristifera** WALKER, Cat. Brit. Mus., xv, 1654, 1858; SMITH, C. 121. No. U. S.
syn. *lubens* GROTE.
1809. **assimilis** MORRISON, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 121. No. Atl. States.
a. pulverulenta SMITH, Proc. U. S. Nat. Mus., x, 468, 1887.
1810. **latex** GUENÉE, Spec. Gén., vi, 78, 1852; SMITH, C. 121. No. Atl. States.
syn. *demissa* WALKER.
- *1811. **passa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 139, 1874; SMITH, C. 122. Cal.
1812. **adjuncta** BOISDUVAL, Guenée, Ind. Méth., 243, 1841; SMITH, C. 122. No. Atl. States.
1813. **variolata** SMITH, Proc. U. S. Nat. Mus., x, 467, 1887; C. 122. Wash.
- *1814. **glaciata** GROTE, Can. Ent., xiv, 170, 1882; SMITH, C. 122. Ariz., Col.
1815. **minorata** SMITH, Proc. U. S. Nat. Mus., x, 467, 1887; C. 122. Cal., Col.
- *1816. **defessa** GROTE, Can. Ent., xii, 88, 1880; SMITH, C. 122. Cal.
1817. **chartaria** GROTE, Bull. Buff. Soc., i, 138, 1873; SMITH, C. 122. Cal., Wash., Col.
- *1818. **repentina** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 118, 1875; SMITH, C. 122. N. J.
- *1819. **brachiolum** HARVEY, Can. Ent., viii, 6, 1876; SMITH, C. 122. Tex., Ariz.
- *1820. **beanii** GROTE, Can. Ent., ix, 87, 1877; SMITH, C. 122. Ill., Tex., Col.
1821. **rugosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 119, 1875; SMITH, C. 122. Me.
1822. **ligitima** GROTE, Proc. Ent. Soc. Phil., iii, 82, 1864; SMITH, C. 122. No. U. S.
1823. **lilacina** HARVEY, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 122. No. Atl. States, Col., N. Mex.
syn. *illabefacta* MORRISON.
1824. **noverca** GROTE, Can. Ent., x, 236, 1878; SMITH, C. 124. Cal., Col., Ariz., Neb.

1825. **goodellii** GROTE, Can. Ent., vii, 223, 1875; SMITH, C. 124. No. Atl. States.
1826. **quadrata** SMITH, Proc. U. S. Nat. Mus., xiv, 248, 1891; C. 124. Cal.
1827. **obscura** SMITH, Proc. U. S. Nat. Mus., x, 468, 1891; C. 124. Wis.
1828. **ectypa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 118, 1875; SMITH, C. 124. N. J., W. Va.
syn. *bella* GROTE.
1829. **renigera** STEPHENS, Ill. Brit. Ent., Haust., ii, 16, 1829; SMITH, C. 124. No. Atl. States, Col., Eur.
syn. *herbimacula* GUENÉE, *infecta* WALKER.
1830. **stricta** WALKER, Cat. Brit. Mus., xxxiii, 728, 1865; SMITH, C. 125. Pac. States.
syn. *ferrea* GROTE.
a. cinnabarina GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 241, 1874.
- *1831. **spiculosa** GROTE, Can. Ent., xvi, 28, 1883; SMITH, C. 125. Ariz.
1832. **olivacea** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 143, 1874; SMITH, C. 125. No. U. S.
a. obscurior SMITH, Proc. U. S. Nat. Mus., x, 465, 1887.
b. comis GROTE, Bull. Geol. Surv. Terr., iii, 85, 1877.
syn. *davena* SMITH, Trans. Am. Ent. Soc., xxvii, 237, 1901; *lucina* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *altua* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *megarena* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *petita* SMITH, Trans. Am. Ent. Soc., xxvii, 239, 1901.
c. rectilinea SMITH, Proc. U. S. Nat. Mus., x, 465, 1887; C. 125.
syn. *circumcincta* SMITH, Proc. U. S. Nat. Mus., xiv, 253, 1891; C. 125; *obnigra* SMITH, Trans. Am. Ent. Soc., xxvii, 238, 1901.
- *1833. **vau-media** SMITH, Proc. U. S. Nat. Mus., x, 466, 1887; C. 126. Col.
- *1834. **incurva** SMITH, Proc. U. S. Nat. Mus., x, 466, 1887; C. 126. Col., Ariz., N. Mex.
1835. **quadrilineata** GROTE, Bull. Buff. Soc., i, 140, 1873; SMITH, C. 126. Ariz., Cal.
1836. **marinitincta** HARVEY, Bull. Buff. Soc., ii, 273, 1875; SMITH, C. 126. Tex.

1837. **laudabilis** GUENÉE, Spec. Gén., vi, 30, 1852; SMITH, C. 126. So. Atl. States, Col., Cal.
 syn. *indicans* WALKER, *strigicollis* WALLEN-GREN.
a. illaudabilis GROTE, Can. Ent., vii, 27, 1875.
1838. **albogutta** GROTE, Bull. Buff. Soc., iii, 85, 1877; SMITH, C. 126. N. Mex., Oreg., Cal.
1839. **cuneata** GROTE, Bull. Buff. Soc., i, 139, 1873; SMITH, C. 127. Pac. States, N. Y.
- *1840. **sutrina** GROTE, Pap., i, 5, 1881; SMITH, C. 127; Ent. News, ix, 230, 1898. Col.
1841. **quadrannulata** MORRISON, Proc. Acad. Nat. Sci. Phil., 430, 1875; SMITH, C. 127. Neb., Tex., Col.
1842. **lorea** GUENÉE, Spec. Gén., v, 126, 1852; SMITH, C. 127. Atl. States, Col.
 syn. *ligata* WALKER, *dodgei* GROTE.
1843. **erecta** WALKER, Cat. Brit. Mus., x, 264, 1856; SMITH, C. 127. Tex.
 syn. *constipata* WALKER, *innexa* GROTE.
1844. **longiclava** SMITH, Proc. U. S. Nat. Mus., xiv, 265, 1891; C. 128. Col.
1845. **anguina** GROTE, Can. Ent., xiii, 129, 1881; SMITH, C. 128. No. Atl. States, Col.
1846. **languida** SMITH, Trans. Am. Ent. Soc., xxi, 54, 1894. Col.
1847. **hadeniformis** SMITH, Trans. Am. Ent. Soc., xxi, 55, 1894. Col.
1848. **fuscolutea** SMITH, Trans. Am. Ent. Soc., xxi, 55, 1894. Col.
1849. **segregata** SMITH, Trans. Am. Ent. Soc., xxi, 56, 1894. B. C.
1850. **vicina** GROTE, Bull. Buff. Soc., ii, 156, 1874; SMITH, C. 128. Atl. States, Cal.
 syn. *teligera* MORRISON, *acutipennis* GROTE.
1851. **pensilis** GROTE, Proc. Acad. Nat. Sci. Phil., 199, 1874; SMITH, C. 128. Pac. States, Col.
- *1852. **impolita** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 140, 1874; SMITH, C. 129. Can.
1853. **plicata** SMITH, Ent. News, ix, 243, 1898. Col.
- *1854. **ferrealis** GROTE, Can. Ent., xv, 29, 1883; SMITH, C. 128. Mont.

- *1855. **subdita** MÖSCHLER, Wien. ent. Mon., iv, 363, 1860; SMITH, C. 129. Lab.
1856. **cervina** SMITH, Ent. News, ix, 247, 1898. Man.
1857. **neoterica** SMITH, Ent. News, ix, 244, 1898. Man.
1858. **nugatis** SMITH, Ent. News, ix, 240, 1898. Mont., Neb.
1859. **mystica** SMITH, Ent. News, ix, 242, 1898. Man.
1860. **intentata** SMITH, Ent. News, ix, 245, 1898. Col.
1861. **ectrapela** SMITH, Ent. News, ix, 249, 1898. B. C.
- *1862. **doira** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Utah.
1863. **griseata** SMITH, Proc. U. S. Nat. Mus., xxii, 467, 1900. Col.
1864. **senatoria** SMITH, Proc. U. S. Nat. Mus., xxii, 461, 1900. Ariz.
1865. **dilatata** SMITH, Proc. U. S. Nat. Mus., xxii, 464, 1900. N. Mex.
1866. **yakima** SMITH, Proc. U. S. Nat. Mus., xxii, 464, 1900. Wash.
1867. **roseosuffusa** SMITH, Proc. U. S. Nat. Mus., xxii, 466, 1900. Ariz.
1868. **rainierii** SMITH, Proc. U. S. Nat. Mus., xxii, 462, 1900. Wash.
1869. **florida** SMITH, Proc. U. S. Nat. Mus., xxii, 465, 1900. Fla.
1870. **bolteri** SMITH, Proc. U. S. Nat. Mus., xxii, 463, 1900. N. Mex.
1871. **mutilata** SMITH, Ent. News, ix, 246, 1898. B. C.
- *1872. **selana** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Tex.
- *1873. **mania** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
- *1874. **tacoma** STRECKER, Lep. Rhop. Het., suppl. 3, 31, 1900. Wash.
1875. **nævia** SMITH, Ent. News, ix, 248, 1898. Col.
1876. **negussa** SMITH, Can. Ent., xxxii, 219, 1900. Alberta.
- *1877. **circumvadis** SMITH, Jn. N. Y. Ent. Soc., x, 42, 1902. Alberta.
- *1878. **vau-orbicularis** SMITH, Jn. N. Y. Ent. Soc., x, 42, 1902. Oreg.

ADMETOVIS Grote.

GROTE, Bull. Buff. Soc., i, 133, 1873.

1879. **oxymorus** GROTE, Bull. Buff. Soc., i, 133, 1873; Cal.,
SMITH, C. 113. Col.
1880. **similis** BARNES. Cal., Col.

BARATHRA Hübner.

HÜBNER, Verz. bek. Schmett., 218, 1816; *Copimamestra* GROTE.

1881. **occidentata** GROTE, Ann. Mag. Nat. Hist. (5), xi, N. Mex.
53, 1883; SMITH, C. 113.
1882. **curialis** SMITH, Proc. U. S. Nat. Mus., x, 470, Me.,
1887; C. 113. N. H.

NEURONIA Hübner.

HÜBNER, Verz. bek. Schmett., 215, 1816. —

1883. **americana** SMITH, Trans. Am. Ent. Soc., xxi, 59, Mont.
1894.

DARGIDA Walker.

WALKER, Cat. Brit. Mus., ix, 201, 1856; *Eupsephopæctes* GROTE.

1884. **procinctus** GROTE, Bull. Buff. Soc., i, 138, 1873; Cal., Oreg.,
SMITH, C. 170. Col.

MORRISONIA Grote.

GROTE, Bull. Buff. Soc., ii, 53, 1874; SMITH, Proc. U. S. Nat. Mus., xv, 64, 1892.

1885. **sectilis** GUENÉE, Spec. Gén., v, 141, 1852; SMITH, No. Atl.
C. 232. States.
- syn. *evicta* GROTE.
- a. **vomerina** GROTE, Bull. Buff. Soc., i, 84, 1873.
- *1886. **infidelis** GROTE, Can. Ent., xi, 206, 1879; SMITH, Mich.
C. 232.
1887. **rileyana** SMITH, Ent. Amer., vi, 212, 1890; C. Mo.,
231. Tex.
1888. **bisulca** GROTE, Can. Ent., xiii, 230, 1881; SMITH, Ariz.
C. 232.
1889. **mucens** HÜBNER, Verz. bek. Schmett., 243, 1816; Atl.
SMITH, C. 231. States.
- syn. *spoliata* WALKER.
1890. **confusa** HÜBNER, Verz. bek. Schmett., 243, 1816; Atl.
SMITH, C. 232. States.
- syn. *infructuosa* WALKER, *multifaria* WALKER.

XYLOMIGES Guenée.

GUENÉE, Spec. Gén., v, 147, 1852.

1891. **hiemalis** GROTE, Bull. Buff. Soc., ii, 71, 1874; Cal.
SMITH, C. 233.
syn. *californica* BEHR.
1892. **simplex** WALKER, Cat. Brit. Mus., xxxii, 618, Pac. States,
1865; SMITH, C. 233. Col.
syn. *crucialis* HARVEY.
1893. **curialis** GROTE, Bull. Buff. Soc., i, 143, 1873; Cal.
SMITH, C. 233.
1894. **dolosa** GROTE, Can. Ent., xii, 88, 1880; SMITH, C. No. Atl.
234. States, Col.
1895. **rubrica** HARVEY, Can. Ent., x, 58, 1878; SMITH, Cal.,
C. 234. Oreg.
1896. **perlubens** GROTE, Can. Ent., xiii, 132, 1881; Pac. States,
SMITH, C. 234. Col.
syn. *subapicalis* SMITH.
- *1897. **pulchella** SMITH, Trans. Am. Ent. Soc., xxi, 81, B. C.
1894.
1898. **ochracea** RILEY, Proc. U. S. Nat. Mus., xv, 74, Cal.
1892; SMITH, C. 234.
1899. **candida** SMITH, Trans. Am. Ent. Soc., xxi, 79, B. C.
1898.
1900. **patalis** GROTE, Bull. Buff. Soc., i, 144, 1873; Pac.
SMITH, C. 234. States.
- syn. *fletcheri* GROTE.
1901. **cognata** SMITH, Trans. Am. Ent. Soc., xxi, 78, B. C., Oreg.,
1894. Col.
- *1902. **peritalis** SMITH, Proc. U. S. Nat. Mus., xv, 68, Col.,
1892; C. 233. Oreg.
1903. **indurata** SMITH, Trans. Am. Ent. Soc., xxi, 80, Col.
1894.
1904. **pallidior** SMITH, Jn. N. Y. Ent. Soc., vii, 227, B. C.
1899.
- *1905. **tabulata** GROTE, Bull. Geol. Surv. Terr., iv, 181, N. Y.
1878; SMITH, C. 234.

SCOTOGRAMMA Smith.

SMITH, Proc. U. S. Nat. Mus., x, 469, 1887.

1906. **submarina** GROTE, Can. Ent., xv, 4, 1883; SMITH, Ariz., Mont.,
C. 129. Oreg.

1907. **densa** SMITH, Ins. Life, v, 329, 1893. Cal., Col.
a. megæra SMITH, Jn. N. Y. Ent. Soc., vii, 44,
 1899.
1908. **infuscata** SMITH, Jn. N. Y. Ent. Soc., vii, 42, 1899. Col.
1909. **discolor** SMITH, Jn. N. Y. Ent. Soc., vii, 42, 1899. Col.
1910. **uniformis** SMITH, Trans. Am. Ent. Soc., xxi, 58,
 1894. B. C.
1911. **luteola** SMITH, Trans. Am. Ent. Soc., xxi, 57, 1894. B. C.
1912. **perplexa** SMITH, Proc. U. S. Nat. Mus., x, 469,
 1887; C. 129. Col.
1913. **inconcinna** SMITH, Proc. U. S. Nat. Mus., x, 469,
 1887; C. 130. Col.
1914. **umbrosa** SMITH, Proc. U. S. Nat. Mus., x, 470,
 1887; C. 130. Col.,
 Ariz.
1915. **phoca** MÖSCHLER, Wien. ent. Mon., viii, 197.
 1864; SMITH, C. 129. Lab.,
 Col.
syn. promulsa MORRISON.
1916. **sedilis** SMITH, Jn. N. Y. Ent. Soc., vii, 43, 1899. Col.
- *1917. **stretchii** HY. EDWARDS, Can. Ent., xix, 146,
 1887; SMITH, C. 130. Ariz.
1918. **conjugata** SMITH, Jn. N. Y. Ent. Soc., vii, 41,
 1899. Col.

ULOLONCHE Smith.

SMITH, Proc. U. S. Nat. Mus., x, 471, 1887.

- *1919. **niveiguttata** GROTE, Bull Buff. Soc., i, 140, 1873;
 SMITH, C. 130. Cal.,
 Ariz.
1920. **orbiculata** SMITH, Proc. U. S. Nat. Mus., xiv, 266,
 1891; C. 131. Col.
1921. **modesta** MORRISON, Proc. Bost. Soc. Nat. Hist.,
 xvii, 114, 1874; SMITH, C. 130. Atl.
 States.
1922. **fasciata** SMITH, Proc. U. S. Nat. Mus., x, 471,
 1887; C. 130. N. Mex.
1923. **disticha** MORRISON, Proc. Bost. Soc. Nat. Hist.,
 xvii, 217, 1874; SMITH, C. 130. Tex.
1924. **dilecta** HY. EDWARDS, Pap., iv, 123, 1884; SMITH,
 C. 154. Col.,
 Ariz.

ANARTA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 90, 1816.

1925. **etacta** SMITH, Proc. Wash. Acad. Sci., ii, 493,
 1900. Alaska.

- *1926. **mimula** GROTE, Trans. Kans. Acad. Sci., viii, 48, 1883; SMITH, C. 295. N. Mex.
- *1927. **mimuli** BEHR, Bull. Cal. Acad. Sci., 62, 1885; SMITH, C. 295. Cal.
- *1928. **funebria** HÜBNER, Schmett. Eur., Noct., f. 433, 1804; SMITH, C. 295. Lab.
1929. **acadiensis** BETHUNE, Trans. Nov. Sc. Ins. Nat. Sci., ii, 84, 1869; SMITH, C. 292. Nova Scotia.
1930. **cordigera** THUNBERG, Mus. Nat. Acad. Ups., Diss., vi, 72, 1788; SMITH, C. 292. Can., Lab., Col.
syn. *luteola* GROTE & ROBINSON.
1931. **melanopa** THUNBERG, Diss. Ent., ii, 42, 1791; SMITH, C. 292. Arctic Am., Col.
syn. *nigrolunata* PACKARD.
1932. **melaleuca** THUNBERG, Diss. Ent., ii, 42, 1791; SMITH, C. 292. Lab.
syn. *bicycla* PACKARD.
1933. **quadrilunata** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 244, 1874; SMITH, C. 293. Col.
1934. **schœnherri** ZETTERSTEDT, Ins. Lap., 950, 1840; SMITH, C. 293. Lab., Greenl.
syn. *leucocycla* STAUDINGER.
1935. **richardsoni** CURTIS, Ross Narr. Second Voy. N.-W. Pass., app., 72, 1834; SMITH, C. 293. Lab., Alaska.
a. lanuginosa SMITH, Proc. Wash. Acad. Sci., ii, 492, 1900.
- *1936. **impingens** WALKER, Cat. Brit. Mus., xi, 700, 1857; SMITH, C. 294. Col.
syn. *nivaria* GROTE, *curta* MORRISON, *perpura* MORRISON.
- *1937. **secedens** WALKER, Cat. Brit. Mus., xii, 913, 1857; SMITH, C. 294. Can.
- *1938. **membranacea** MORRISON, Ann. N. Y. Lyc. Nat. Hist., xi, 101, 1875; SMITH, C. 294. N. H.
- *1939. **lapponica** THUNBERG, Diss. Ent., ii, 42, 1792; SMITH, C. 294. Lab., Greenl.
syn. *amissa* LEFÈBRE.
- *1940. **kelloggi** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 133, 1875; SMITH, C. 295. Cal.
1941. **zetterstedti** STAUDINGER, Stett. ent. Zeit., 294, 1857; SMITH, C. 295. Lab., Lapl.
- *1942. **quieta** HÜBNER, Schmett. Eur., Noct., 485, 1805; SMITH, C. 295. Arctic Am.
syn. *constricta* WALKER, *rigida* WALKER.

TRICHOCLEA Grote.

GROTE, Pap., iii, 30, 1883; SMITH, C. 209.

1943. **edwardsii** SMITH, Proc. U. S. Nat. Mus., x, 478, 1887; C. 209. Cal.
1944. **decepta** GROTE, Pap., iii, 30, 1883; SMITH, C. 209. Ariz.
1945. **postica** SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891; C. 209. Cal., Col.
- a. antica* SMITH, Trans. Am. Ent. Soc., xviii, 116, 1891; C. 209.

TRICHOPOLIA Grote.

GROTE, Pap., iii, 76, 1883.

1946. **serrata** SMITH, Proc. U. S. Nat. Mus., xxii, 479, 1900. Tex.
- *1947. **dentatella** GROTE, Pap., iii, 76, 1883; SMITH, C. 164. Ariz.
1948. **ptilodonta** GROTE, Pap., iii, 77, 1883; SMITH, C. 164. Ariz.

EUPOLIA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 69, 1894.

1949. **licentiosa** SMITH, Trans. Am. Ent. Soc., xxi, 70, 1894. Utah.

NEPHELODES Guenée.

GUENÉE, Spec. Gén., v, 130, 1852.

1950. **minians** GUENÉE, Spec. Gén., v, 130, 1852; SMITH, C. 172. Atl. States.
- syn. *expansa* WALKER, *sobria* WALKER.
- a. violans* GUENÉE, Spec. Gén., v, 130, 1852.
- syn. *subdolens* WALKER.

1951. **pectinatus** SMITH, Can. Ent., xxxii, 221, 1900. B. C.

HELIOPHILA Hübner.

HÜBNER, Tent., 1806; *Leucania* OCHSENHEIMER, Schmett. Eur., iv, 81, 1816; SMITH, Proc. U. S. Nat. Mus., xxv, 159, 1902.

- *1952. **lutina** SMITH, Proc. U. S. Nat. Mus., xxv, 176, 1902. Fla.
- syn. *velutina* SMITH (not EVERSMAAN), Proc. U. S. Nat. Mus., xxii, 480, 1900.
1953. **unipuncta** HAWORTH, Lep. Brit., ii, 177, 1810; SMITH, C. 189. Atl. States.
- syn. *extranea* GUENÉE.

1954. **pseudargyria** GUENÉE, Spec. Gén., v, 74, 1852; SMITH, C. 189. Atl. States.
a. callida GROTE, New Check List, 30, 1882.
- *1955. **pilipalpis** GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 415, 1875; SMITH, C. 189. Fla.
1956. **subpunctata** HARVEY, Bull. Buff. Soc., iii, 8, 1875; SMITH, C. 189. Tex., N. Mex.
syn. complicata STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898.
1957. **luteopallens** SMITH, Proc. U. S. Nat. Mus., xxv, 180, 1902. Atl. States.
1958. **minorata** SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. Cal., Oreg.
1959. **oxygale** GROTE, Can. Ent., xiii, 14, 1881; SMITH, C. 185. Col.
1960. **rubripallens** SMITH, Proc. U. S. Nat. Mus., xxv, 182, 1902. Col., Utah.
- *1961. **pertracta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 186. Pa.
1962. **rubripennis** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 179, 1870; SMITH, C. 186. So. States.
1963. **albilinea** HÜBNER, Samml. exot. Schmett., f. 337, 1816; SMITH, C. 186. Atl. States.
syn. harveyi GROTE.
1964. **obscurior** SMITH, Proc. U. S. Nat. Mus., xxv, 185, 1902. Man.
1965. **diffusa** WALKER, Cat. Brit. Mus., ix, 94, 1856; SMITH, C. 186. Atl. States.
syn. moderata WALKER.
- *1966. **limitata** SMITH, Proc. U. S. Nat. Mus., xxv, 187, 1902. Tex.
1967. **tetra** SMITH, Proc. U. S. Nat. Mus., xxv, 187, 1902. Ariz.
1968. **neptis** SMITH, Proc. U. S. Nat. Mus., xxv, 188, 1902. Col.
1969. **ligata** GROTE, Trans. Am. Ent. Soc., v, 115, 1875; SMITH, C. 187. Tex., Col., Fla.
- *1970. **flabilis** GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 189. N. Y.
1971. **rimosa** GROTE, Can. Ent., xiv, 216, 1882; SMITH, C. 189. Me.
1972. **dia** GROTE, Can. Ent., xi, 29, 1879; SMITH, C. 187. Cal.

1973. **megadia** SMITH, Proc. U. S. Nat. Mus., xxv, 191, 1902. Pac. States, Ariz.
1974. **heterodoxa** SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. Cal., B. C., Minn.
1975. **insueta** GUENÉE, Spec. Gén., v, 81, 1852; SMITH, C. 188. Atl. States, Col.
syn. adonea GROTE, *mimica* STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899.
1976. **extincta** GUENÉE, Spec. Gén., v, 79, 1852; SMITH, C. 187. Atl. States.
syn. linita GUENÉE, *scirpicola* GUENÉE, *amygdalina* HARVEY.
1977. **juncicola** GUENÉE, Spec. Gén., v, 83, 1852; SMITH, C. 188. Ala., Tex.
syn. adjuta GROTE.
1978. **multilinea** WALKER, Cat. Brit. Mus., ix, 97, 1856; SMITH, C. 187. Atl. States.
syn. lapidaria GROTE.
1979. **commoides** GUENÉE, Spec. Gén., v, 86, 1852; SMITH, C. 188. Atl. States, Col.
1980. **phragmitidicola** GUENÉE, Spec. Gén., v, 89, 1852; SMITH, C. 187. Atl. States, Col.
a. texana MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 211, 1874.
1981. **imperfecta** SMITH, Trans. Am. Ent. Soc., xxi, 76, 1894. Ariz.
1982. **anteroclara** SMITH, Proc. U. S. Nat. Mus., xxv, 200, 1902. Alberta.
1983. **calgariana** SMITH, Proc. U. S. Nat. Mus., xxv, 201, 1902. Alberta.
- *1984. **stolata** SMITH, Trans. Am. Ent. Soc., xxi, 76, 1894. Ariz.
- *1985. **oregona** SMITH, Proc. U. S. Nat. Mus., xxv, 202, 1902. Oreg.
1986. **roseola** SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. B. C.
1987. **farcta** GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 188. Cal.
1988. **palliseca** SMITH, Proc. U. S. Nat. Mus., xxv, 203, 1902. Cal., Col.

NELEUCANIA Smith.

SMITH, Proc. U. S. Nat. Mus., xxv, 203, 1902.

1989. **niveicosta** SMITH, Proc. U. S. Nat. Mus., xxv, 205, 1902. Col.

1990. **bicolorata** GROTE, Pap., i, 154, 1881; SMITH, C. 186. Ariz., Col.
1991. **citronella** SMITH, Proc. U. S. Nat. Mus., xxv, 206, 1902. Col.
1992. **patricia** GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880; SMITH, C. 186. Col., N. Mex.
- *1993. **prægracilis** GROTE, Bull. Geol. Surv. Terr., iii, 119, 1877; SMITH, C. 185. Rocky Mts.

ZOSTEROPODA Grote.

GROTE, Bull. Buff. Soc., ii, 67, 1874.

1994. **hirtipes** GROTE, Bull. Buff. Soc., ii, 68, 1874; SMITH, C. 190. Cal.

TRICHORTHOSIA Grote.

GROTE, Pap., iii, 31, 1883.

- *1995. **parallela** GROTE, Pap., iii, 31, 1883; SMITH, C. 210. N. Mex.

ORTHODES Guenée.

GUENÉE, Spec. Gén., v, 371, 1852.

1996. **crenulata** BUTLER, Ann. Mag. Nat. Hist., (6), vi, 97, 1890; SMITH, C. 198. Atl. States.
1997. **cynica** GUENÉE, Spec. Gén., v, 375, 1852; SMITH, C. 190. Atl. States, Col.
syn. *candens* GUENÉE, *tecta* WALKER.
1998. **vecors** GUENÉE, Spec. Gén., v, 376, 1852; SMITH, C. 199. Atl. States.
syn. *enervis* GUENÉE, *nimia* GUENÉE, *togata* WALKER, *velata* WALKER, *prodeuns* WALKER, *griseocincta* HARVEY, *nitens* GROTE.
1999. **virgula** GROTE, Pap., iii, 76, 1883; SMITH, C. 200. Ariz., Col.
2000. **irrorata** SMITH, Proc. U. S. Nat. Mus., x, 478, 1887; C. 200. Wash., B. C.
2001. **puerilis** GROTE, Bull. Buff. Soc., ii, 64, 1874; SMITH, C. 200. Cal.
- *2002. **agrotiformis** GROTE, Can. Ent., xiii, 14, 1881; SMITH, C. 200. Col.
- *2003. **calceolarius** STRECKER, Lep. Rhop. Het., suppl. 3, 33, 1900. N. Y.
- *2004. **imora** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wis.

- *2005. **akalus** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Col.

HIMELLA Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874; SMITH, C. 200.

2006. **contrahens** WALKER, Can. Nat. Geol., v, 255, 1860; SMITH, C. 200. No. Atl. States, Col., N. Mex.
syn. *thecata* MORRISON.
2007. **intractata** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 160, 1874; SMITH, C. 201. Atl. States.
syn. *fidelis* GROTE.
- *2008. **conar** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. N. Mex., Utah, Ariz.
syn. *quadristigma* SMITH, Proc. U. S. Nat. Mus., xxii, 480, 1900.

CROCIGRAPHA Grote.

GROTE, Can. Ent., vii, 57, 1875; SMITH, C. 201.

2009. **normani** GROTE, Can. Ent., vi, 115, 1874; SMITH, C. 201. No. Atl. States.

GRAPHIPHORA Hübner.

HÜBNER, Tent., 1806; *Tæniocampa* GUENÉE, Ann. Soc. Ent. Fr., viii, 477, 1839.

2010. **carminata** SMITH, Ent. Amer., vi, 121, 1890; C. 202. Col.
2011. **trifascia** SMITH, Trans. Am. Ent. Soc., xviii, 118, 1891; C. 202. Col.
2012. **culea** GUENÉE, Spec. Gén., v, 404, 1852; SMITH, C. 202. Atl. States.
syn. *modifica* MORRISON.
2013. **consopita** GROTE, Pap., i, 154, 1881; SMITH, C. 202. Ariz.
2014. **rufula** GROTE, Bull. Buff. Soc., ii, 64, 1874; SMITH, C. 203. Cal., Col.
2015. **oviducta** GUENÉE, Spec. Gén., v, 357, 1852; SMITH, C. 203. Atl. States.
syn. *capsella* GROTE, *orobia* HARVEY.
2016. **utahensis** SMITH, Proc. U. S. Nat. Mus., x, 473, 1887; C. 203. Utah.
2017. **curtica** SMITH, Ent. Amer., vi, 122, 1890; C. 203. Cal.
2017. 1. **suffusa** SMITH, Proc. U. S. Nat. Mus., x, 174, 1887; C. 203. Col., Ariz.

2018. **incincta** MORRISON, Proc. Bost. Soc. Nat. Hist., Mass., Ill.,
xvii, 133, 156, 1874; SMITH, C. 203. Col.
2019. **pectinata** SMITH, Proc. U. S. Nat. Mus., x, 475, Cal.
1887; C. 204.
2020. **annulimacula** SMITH, Trans. Am. Ent. Soc., xviii, Tex.
117, 1891; C. 204.
2021. **uniformis** SMITH, Proc. U. S. Nat. Mus., x, 472, Ariz.
1887; C. 202.
2022. **palilis** HARVEY, Bull. Buff. Soc., ii, 273, 1875; Tex.
SMITH, C. 202.
2023. **columbia** SMITH, Proc. U. S. Nat. Mus., x, 472, B. C.
1887; C. 202.
2024. **furfurata** GROTE, Proc. Acad. Nat. Sci. Phil., 201, U. S.
1874; SMITH, C. 201.
2025. **perbrunnea** GROTE, Can. Ent., xi, 28, 1879; Cal.
SMITH, C. 202.
2026. **peredia** GROTE, Pap., iii, 32, 1883; SMITH, C. No. Atl.
201. States.
- *2027. **perforata** GROTE, Pap., iii, 73, 1883; SMITH, C. Ariz.
203.
- *2028. **obtusa** SMITH, Proc. U. S. Nat. Mus., x, 474, Ariz.
1887; C. 204.
- *2029. **terminata** SMITH, Proc. U. S. Nat. Mus., x, 475, So.
1887; C. 204. Cal.
2030. **reliqua** SMITH, Jn. N. Y. Ent. Soc., vii, 226, 1899. Col.
- *2031. **præses** GROTE, Bull. Geol. Surv. Terr., v, 202, Cal.
1879; SMITH, C. 206.
- *2032. **revicta** MORRISON, Proc. Bost. Soc. Nat. Hist., Ill.
xviii, 241, 1875; SMITH, C. 206.
2033. **ferrigera** SMITH, Trans. Am. Ent. Soc., xxi, 78, B. C.,
1894. Oreg.
2034. **flaviannula** SMITH, Jn. N. Y. Ent. Soc., vii, 225, Col.
1899.
- *2035. **saturnus** STRECKER, Lep. Rhop. Het., suppl. 3, Wis.
31, 1900.
- *2036. **subfuscula** GROTE, Proc. Bost. Soc. Nat. Hist., Oreg.,
xvi, 244, 1873; SMITH, C. 204. Mont.
- *2037. **arthrolita** HARVEY, Bull. Buff. Soc., ii, 275, 1874; Cal.
SMITH, C. 204.
2038. **vindemialis** GUENÉE, Spec. Gén., v, 344, 1852; Fla. ?
SMITH, C. 205.

2039. **pacifica** HARVEY, Bull. Buff. Soc., ii, 120, 1874; SMITH, C. 205. Col., Cal.
2040. **alia** GUENÉE, Spec. Gén., v, 352, 1852; SMITH, C. 205. Atl. States.
 syn. *instabilis* FITCH, *insciens* WALKER.
a. hibisci GUENÉE, Spec. Gén., v, 355, 1852.
 syn. *confluens* MORRISON.
- *2041. **alurina** SMITH, Jn. N. Y. Ent. Soc., x, 47, 1902. Atl. States.
2042. **rubescens** WALKER, Cat. Brit. Mus., xxxii, 671, 1865; SMITH, C. 206. No. Atl. States.
 syn. *venata* SMITH.
2043. **subterminata** SMITH, Proc. U. S. Nat. Mus., x, 476, 1887; C. 206. No. Atl. States.
- *2044. **garmani** GROTE, Can. Ent., xi, 28, 1879; SMITH, C. 206. Ill., Iowa.
- *2045. **styracis** GUENÉE, Spec. Gén., v, 357, 1852; SMITH, C. 206. Ga.
- *2046. **planalis** GROTE, Ann. Mag. Nat. Hist., (5), xi, 53, 1883; SMITH, C. 206. N. Mex.

STRETCHIA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 267, 1874; *Acerra* GROTE.

2047. **normalis** GROTE, Bull. Buff. Soc., ii, 162, 1874; SMITH, C. 207. Cal.
2048. **plusiiformis** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 267, 1874; SMITH, C. 208. Cal., Col., Nev., Oreg.
 syn. *muricina* GROTE, Bull. Buff. Soc., iii, 85, 1875; *inferior* SMITH, Proc. U. S. Nat. Mus., x, 477, 1887.
2049. **behrensiana** GROTE, Can. Ent., vii, 71, 1875; SMITH, C. 208. Cal.
2050. **variabilis** SMITH, Trans. Am. Ent. Soc., xviii, 119, 1891; C. 208. Col.
2051. **addenda** SMITH, Ent. Amer., vi, 122, 1890; C. 208; Jn. N. Y. Ent. Soc., vii, 225, 1899. Cal.
- *2052. **pulchella** HARVEY, Can. Ent., viii, 54, 1876; SMITH, C. 208; Jn. N. Y. Ent. Soc., vii, 225, 1899. Cal.
2053. **erythrolita** GROTE, Can. Ent., xi, 208, 1879; SMITH, C. 208. Cal.
2054. **transparens** GROTE, Bull. Geol. Surv. Terr., vi, 583, 1881; SMITH, C. 208. Wash., Cal.
 syn. *hamifera* GROTE, Can. Ent., xx, 130, 1888; SMITH, C. 218.

2055. **mys** DYAR (fore wings dark purple-brown, slightly hoary, unspotted; hind wings whitish, rosy tinged at the edges). Cal.

PERIGONICA Smith.

SMITH, Ent. Amer., vi, 123, 1890.

2056. **angulata** SMITH, Ent. Amer., vi, 124, 1890; C. 209. Cal.

2057. **tertia** DYAR (markings of *angulata*, antennæ of *fulminans*). Cal., Oreg.

2058. **fulminans** SMITH, Ent. Amer., vi, 124, 1890; C. 209. Col.

PERIGRAPHA Lederer.

LEDERER, Noct. Eur., 136, 1857.

- *2059. **prima** SMITH, Trans. Am. Ent. Soc., xviii, 119, 1891; C. 209. Cal.

TRICHOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 211, 215, 1875.

2060. **signata** WALKER, Can. Nat. Geol., v, 253, 1860; SMITH, C. 172. No. Atl. States.

syn. *semiaperta* MORRISON.

2061. **fistula** HARVEY, Can. Ent., x, 56, 1878; SMITH, C. 173. Cal., Ariz., Col.

2062. **inconspicua** GROTE, Can. Ent., xv, 129, 1883; SMITH, C. 173. Ariz.

- *2063. **notata** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Neb.

- *2064. **syriassa** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Ill.

COBALIODES Dyar.

Cobalos SMITH (not *Cobalus* HÜBNER), Jn. N. Y. Ent. Soc., vii, 223, 1899.

2065. **franciscanus** SMITH, Jn. N. Y. Ent. Soc., vii, 224, 1899. Cal.

2066. **angelicus** SMITH, Jn. N. Y. Ent. Soc., vii, 223, 1899. Cal.

CLEOCERIS Boisduval.

BOISDUVAL, Ind. Méth., 93, 1829.

2067. **populi** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Col.

- *2068. **onychina** GUENÉE, Spec. Gén., vi, 48, 1852; No. Am.
SMITH, C. 215.
2069. **elda** FRENCH, Can. Ent., xix, 5, 1887; SMITH, Cal.
C. 215.
2070. **rectifascia** SMITH, Trans. Am. Ent. Soc., xviii, Cal.
109, 1891; C. 215.
2071. **curvifascia** SMITH, Trans. Am. Ent. Soc., xviii, Cal.
109, 1891; C. 215.

APOROPHILA Guenée.

GUENÉE, Ind. Méth., Ann. Soc. Ent. Fr., x, 246, 1841.

- *2072. **yosemitæ** GROTE, Bull. Buff. Soc., i, 113, 1873; Cal.
SMITH, C. 163.

PLEROMA Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 114, 1891.

2073. **obliquata** SMITH, Trans. Am. Ent. Soc., xviii, Col.,
114, 1891; C. 235. Cal.
2074. **bonuscula** SMITH, Can. Ent., xxx, 325, 1898. Col.
- *2075. **conserta** GROTE, Pap., i, 58, 1881; SMITH, C. 235. Wash.
- *2076. **apposita** SMITH, Trans. Am. Ent. Soc., xxi, 81, B. C.
1894.

LITHOMOIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

2077. **germana** MORRISON, Bull. Buff. Soc., ii, 192, No. Atl.
1874; SMITH, C. 235. States.

XYLINA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 85, 1816; SMITH, Trans. Am. Ent. Soc., xxvii,
1, 1900; *Lithophane* HÜBNER, Verz. bek. Schmett., 242, 1816.

2078. **disposita** MORRISON, Bull. Buff. Soc., ii, 116, No. Atl.
1874; SMITH, C. 227. States.
2079. **petulca** GROTE, Sixth Rept. Peab. Acad. Sci., 31, No. Atl.
1874; SMITH, C. 227. States.
2080. **contenta** GROTE, Can. Ent., xii, 216, 1880; SMITH, Cal.,
C. 224. Wash.
- syn. *pomona* SMITH, Jn. N. Y. Ent. Soc., vii,
230, 1899.
2081. **puella** SMITH, Trans. Am. Ent. Soc., xxvii, 30, Cal.
1900.
- *2082. **dentilinea** SMITH, Jn. N. Y. Ent. Soc., vii, 229, Ariz.,
1899. Col.

2083. **longior** SMITH, Jn. N. Y. Ent. Soc., vii, 230, 1899. Col.
2084. **torrida** SMITH, Jn. N. Y. Ent. Soc., vii, 228, 1899. Pac. States.
2085. **itata** SMITH, Jn. N. Y. Ent. Soc., vii, 231, 1899. Col.
- *2086. **hemina** GROTE, Bull. Geol. Surv. Terr., v, 202, 1879; SMITH, C. 227. No. Atl. States.
- *2087. **gausapata** GROTE, Pap., iii, 77, 1883; SMITH, C. 227. Cal.
2088. **dilatocula** SMITH, Trans. Am. Ent. Soc., xxvii, 42, 1900. Wash., Cal.
- *2089. **patefacta** WALKER, Cat. Brit. Mus., xiv, 1733, 1858; SMITH, C. 231. Can.
2090. **antennata** WALKER, Cat. Brit. Mus., xiv, 1733, 1858; SMITH, C. 228. Atl. States.
syn. *cinerea* RILEY.
2091. **laticinerea** GROTE, Bull. Buff. Soc., ii, 27, 1874; SMITH, C. 229. Atl. States.
2092. **grotei** RILEY, Pap., ii, 102, 1882; SMITH, C. 229. Atl. States.
syn. *cinerosa* GROTE (not GUENÉE).
a. winnipeg SMITH, Trans. Am. Ent. Soc., xxvii, 31, 1900.
2093. **ferrealis** GROTE, Sixth Rept. Peab. Acad. Sci., 32, 1874; SMITH, C. 227. Atl. States.
2094. **signosa** WALKER, Cat. Brit. Mus., xi, 627, 1857; SMITH, C. 227. No. Atl. States.
2095. **innominata** SMITH, C. 227. No. Atl. States, Col.
2096. **amanda** SMITH, Trans. Am. Ent. Soc., xxvii, 24, 1900. No. U. S.
2097. **bethunei** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 354, 1868; SMITH, C. 227. No. Atl. States.
2098. **oriunda** GROTE, Bull. Buff. Soc., ii, 160, 1874; SMITH, C. 224. Can., Wis.
2099. **semiusta** GROTE, Sixth Rept. Peab. Acad. Sci., 24, 1874; SMITH, C. 228. No. Atl. States.
2100. **fagina** MORRISON, Bull. Buff. Soc., ii, 115, 1874; SMITH, C. 228. Mass., N. Y.
- *2101. **oregonensis** HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 228. Oreg., Cal., Col.
2102. **georgii** GROTE, Can. Ent., vii, 88, 1875; SMITH, C. 228. No. Atl. States.

2103. **holocinerea** SMITH, Trans. Am. Ent. Soc., xxvii, 28, 1900. Pac. States.
2104. **emarginata** SMITH, Trans. Am. Ent. Soc., xxvii, 28, 1900. Col.
- *2105. **viridipallens** GROTE, Can. Ent., ix, 215, 1877; SMITH, C. 229. Mass., N. Y.
2106. **unimoda** LINTNER, Ent. Cont., iv, 96, 1878; SMITH, C. 229. No. Atl. States.
2107. **tepida** GROTE, Bull. Buff. Soc., ii, 27, 1874; SMITH, C. 229. No. Atl. States.
2108. **baileyi** GROTE, Can. Ent., ix, 86, 1877; SMITH, C. 229. N. Y.
2109. **querquera** GROTE, Sixth Rept. Peab. Acad. Sci., 34, 1874; SMITH, C. 229. Mo., N. Y.
2110. **lepida** LINTNER, Ent. Cont., iv, 95, 1878; SMITH, C. 230. No. Atl. States.
2111. **thaxteri** GROTE, Bull. Buff. Soc., ii, 196, 1874; SMITH, C. 230. No. Atl. States.
2112. **pexata** GROTE, Sixth Rept. Peab. Acad. Sci., 35, 1874; SMITH, C. 230. No. Atl. States, Wash.
a. washingtonia GROTE, Pap., iii, 74, 1883.
2113. **capax** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 355, 1868; SMITH, C. 230. No. Atl. States, Col.

EUHARVEYA Grote.

GROTE, Can. Ent., xxvi, 81, 1894.

2114. **carbonaria** HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 230. Oreg., Cal., Col.

LITHOLOMIA Grote.

GROTE, Can. Ent., vii, 206, 1875.

2115. **napæa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 152, 1874; SMITH, C. 226. No. Atl. States, Col., Cal.
2116. **dunbari** HARVEY, Can. Ent., viii, 52, 1876; SMITH, C. 226. B. C.

CALOCAMPA Stephens.

STEPHENS, Ill. Brit. Ent. Haust., ii, 174, 1829.

2117. **brucei** SMITH, Ent. News, iii, 252, 1892; Trans. Am. Ent. Soc., xxi, 82, 1894. Col.
2118. **nupera** LINTNER, Bull. Buff. Soc., ii, 188, 1874; SMITH, C. 235. Atl. States.

2119. **thoracica** PUTNAM-CRAMER, Ent. Amer., ii, 142, 1886; SMITH, C. 236. No. U. S.
2120. **cineritia** GROTE, Proc. Acad. Nat. Sci. Phil., 210, 1874; SMITH, C. 236. No. Atl. States.
2121. **curvimacula** MORRISON, Bull. Buff. Soc., ii, 191, 1874; SMITH, C. 236. No. U. S.
- *2121.1. **brillians** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 78, 1902. Me., N. H.

CUCULLIA Schrank.

SCHRANK, Faun. Boica, ii, 157, 1802.

2122. **convexipennis** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 201, 1868; SMITH, C. 236. Atl. States.
2123. **montanæ** GROTE, Can. Ent., xv, 178, 1882; SMITH, C. 237. Col., Mont.
2124. **similaris** SMITH, Proc. U. S. Nat. Mus., xv, 40, 1892; C. 237. Col.
2125. **obscurior** SMITH, Proc. U. S. Nat. Mus., xv, 40, 1892; C. 237. Col.
2126. **postera** GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, C. 237. Atl. States.
2127. **asteroides** GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, C. 237. Atl. States.
2128. **florea** GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, C. 237. Atl. States.
2129. **lætifica** LINTNER, Grote, Check List Noct., 24, 1875; SMITH, C. 237. Tex., Ariz.
- syn. cita* GROTE, *hartmanni* FRENCH.
2130. **dorsalis** SMITH, Proc. U. S. Nat. Mus., xv, 46, 1892; C. 238. Col.
2131. **speyeri** LINTNER, Ent. Cont., iii, 168, 1874; SMITH, C. 238. Col.
2132. **intermedia** SPEYER, Stett. ent. Zeit., xxxi, 400, 1870; SMITH, C. 238. Atl. States.
2133. **cinderella** SMITH, Proc. U. S. Nat. Mus., xv, 48, 1892; C. 238. Col.
2134. **serraticornis** LINTNER, Ent. Cont., iii, 174, 1874; SMITH, C. 238. Cal.
2135. **bistriga** SMITH, Proc. U. S. Nat. Mus., xv, 47, 1892; C. 238. Col.
2136. **albida** SMITH, Trans. Am. Ent. Soc., xxi, 84, 1894. Col.

COPICUCULLIA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 84, 1894.

- *2137. *eulepis* GROTE, Bull. Buff. Soc., iii, 86, 1875; Oreg.,
SMITH, C. 236. Cal.
2138. *antipoda* STRECKER, Lep. Rhop. Het., 129, 1875; Col.,
SMITH, C. 236. Ariz.
- *2139. *alfarata* STRECKER, Lep. Rhop. Het., suppl. 1, Fla.
9, 1898.
2140. *astigma* SMITH, Trans. Am. Ent. Soc., xxi, 85, Col.
1894.
2141. *propinqua* SMITH, Trans. Am. Ent. Soc., xxi, 85, Col.
1894.

RANCORA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 83, 1894.

2142. *solidaginis* BEHR, Strecker, Lep. Rhop. Het., 94, Cal.,
1874; SMITH, C. 239. B. C.
- syn. *strigata* SMITH, Trans. Am. Ent. Soc.,
xxi, 83, 1894.
- *2143. *matricaria* BEHR, Strecker, Lep. Rhop. Het., 94, Cal.
1874.

LATHOSEA Grote.

GROTE, Bull. Geol. Surv. Terr., vi, 270, 1882.

2144. *pullata* GROTE, Bull. Geol. Surv. Terr., vi, 270, Oreg.,
1882; SMITH, C. 163. Col.
2145. *ursina* SMITH, Can. Ent., xxxi, 324, 1898. Col.

ASTEROSCOPUS Boisduval.

BOISDUVAL, Ind. Méth., 59, 1829.

2146. *borealis* SMITH, Can. Ent., xxxi, 25, 1899. Man.

BELLURA Walker.

WALKER, Cat. Brit. Mus., xxxii, 465, 1865; *Arzama* WALKER.

2147. *gortynides* WALKER, Cat. Brit. Mus., xxxii, 465, Atl.
1865; SMITH, C. 181. States.
- syn. *densa* WALKER, *vulnifica* GROTE, *melano-*
pyga GROTE.
2148. *diffusa* GROTE, Bull. Geol. Surv. Terr., iv, 179, Can.,
1878; SMITH, C. 181. Me.

SPHIDA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878.

2149. **obliqua** WALKER, Cat. Brit. Mus., xxxii, 428, 1865; SMITH, C. 181. Atl. States.
syn. *obliquata* GROTE & ROBINSON.

NONAGRIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 82, 1816.

2150. **permagna** GROTE, Pap., iii, 73, 1883; SMITH, C. 182. Fla.
2151. **subflava** GROTE, Pap., ii, 95, 1882; SMITH, C. 182. Ill., Mass., Me.
*2152. **oblonga** GROTE, Pap., ii, 96, 1882; SMITH, C. 182. Me.
2153. **subcarnea** KELLICOTT, Can. Ent., xv, 175, 1883; SMITH, C. 182. N. Y.
*2154. **læta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 182. N. J.
*2155. **inquinata** GUENÉE, Spec. Gén., v, 104, 1852; SMITH, C. 183. N. Y.

OMMATOSTOLA Grote.

GROTE, Bull. Buff. Soc., ii, 112, 1873.

2156. **lintneri** GROTE, Bull. Buff. Soc., ii, 112, 1873; SMITH, C. 185. N. Y., N. J.
2157. **popofensis** SMITH, Proc. Wash. Acad. Sci., ii, 492, 1900. Alaska.

ACHATODES Guenée.

GUENÉE, Spec. Gén., v, 132, 1852.

2158. **zææ** HARRIS, Ins. Inj. Veg., 319, 1841; SMITH, C. 179. No. Atl. States.

GORTYNA Ochsenheimer.

OCHSENHEIMER, Schmett., Eur., iv, 82, 1816.

2159. **albilunata** SMITH, Trans. Am. Ent. Soc., xxvi, 14, 1899. Cal.
syn. *lunata* SMITH (not FREYER), Trans. Am. Ent. Soc., xviii, 110, 1891.
*2160. **u-album** GUENÉE, Spec. Gén., v, 345, 1852; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 15, 1899. No. Atl. States.
syn. *purpuripennis* GROTE, *baliola* MORRISON.

2161. **velata** WALKER, Cat. Brit. Mus., xxxii, 671, 1865; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 20, 1899. Atl. States.
 syn. *sera* GROTE & ROBINSON.
2162. **nictitans** BORKHAUSEN, Naturg. Europ. Schmett., iv, 463, 1792; SMITH, C. 174. Atl. States.
 syn. *erythrostigma* HAWORTH, *lucens* FREYER.
a. americana SPEYER, Stett. ent. Zeit., xxxvi, 152, 1875. Cal.
 syn. *atlantica* SMITH, Trans. Am. Ent. Soc., xxvi, 18, 1899.
b. pacifica SMITH, Trans. Am. Ent. Soc., xxvi, 19, 1899.
c. interoceanica SMITH, Trans. Am. Ent. Soc., xxvi, 17, 1899.
- *2163. **erepta** GROTE, Bull. Geol. Surv. Terr., vi, 267, 1881; SMITH, C. 175. Kans.
2164. **juvenilis** GROTE, Bull. Geol. Surv. Terr., vi, 267, 1881; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 20, 1899. Col., Kans.
2165. **immanis** GUENÉE, Spec. Gén., v, 128, 1852; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 21, 1899. No. U. S.
- *2166. **stramentosa** GUENÉE, Spec. Gén., v, 129, 1852; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 22, 1899. No. Atl. States.
2167. **obliqua** HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 23, 1899. Atl. States.
2168. **medialis** SMITH, Trans. Am. Ent. Soc., xxi, 74, 1894; xxvi, 24, 1899. No. Pac. States, Col.
 syn. *pallescent* SMITH, Trans. Am. Ent. Soc., xxvi, 25, 1899.
2169. **senilis** SMITH, Trans. Am. Ent. Soc., xxi, 73, 1894; xxvi, 25, 1899. Col.
2170. **serrata** GROTE, No. Am. Ent., i, 94, 1880; SMITH, C. 179; Trans. Am. Ent. Soc., xxvi, 26, 1899. Col.

PAPAIPEMA Smith.

SMITH, Trans. Am. Ent. Soc., xxvi, 2, 1899.

2171. **cerina** GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874; SMITH, C. 176. Kans., Me.
2172. **inquæsita** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 344, 1868; SMITH, C. 176. No. Atl. States.
2173. **speciosissima** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 342, 1868; SMITH, C. 177; Trans. Am. Ent. Soc., xxvi, 29, 1899. No. Atl. States.

2174. **rigida** GROTE, Can. Ent., ix, 87, 1877; SMITH, C. 176. No. Atl. States.
2175. **harrisii** GROTE, Bull. Geol. Surv. Terr., vi, 268, 276, 1882; SMITH, C. 177. No. Atl. States.
2176. **verona** SMITH, Trans. Am. Ent. Soc., xxvi, 32, 1899. Man.
2177. **baptisiæ** BIRD, Can. Ent., xxxiv, 109, 1902. Atl. States.
2178. **purpurifascia** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 341, 1868; SMITH, C. 176. Atl. States.
2179. **nitela** GUENÉE, Spec. Gén., v, 124, 1852; SMITH, C. 178. Atl. States.
a. nebris GUENÉE, Spec. Gén., v, 124, 1852.
2180. **nelita** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898; SMITH, Trans. Am. Ent. Soc., xxvi, 35, 1899. No. Atl. States.
syn. ærata LYMAN, Can. Ent., xxxiii, 319, 1901.
2181. **necopina** GROTE, Can. Ent., viii, 25, 1876; SMITH, C. 179. N. Y.
2182. **limpida** GUENÉE, Spec. Gén., v, 124, 1852; SMITH, C. 178. No. Atl. States.
2183. **cerussata** GROTE & ROBINSON, Proc. Ent. Soc. Phil., ii, 431, 1864; SMITH, C. 178. No. Atl. States.
2184. **frigida** SMITH, Trans. Am. Ent. Soc., xxvi, 39, 1899. Man.
2185. **unimoda** SMITH, Trans. Am. Ent. Soc., xxi, 73, 1894; xxvi, 39, 1899. Col.
2186. **angelica** SMITH, Trans. Am. Ent. Soc., xxvi, 40, 1899. Cal.
2187. **cataphracta** GROTE, Proc. Acad. Nat. Sci. Phil., 81, 1864; SMITH, C. 176. No. Atl. States.
2188. **impecuniosa** GROTE, Bull. Geol. Surv. Terr., vi, 267, 1882; SMITH, C. 176. Mass., N. Y.
2189. **circumlucens** SMITH, Trans. Am. Ent. Soc., xxvi, 43, 1899. Atl. States.
2189. 1. **duovata** BIRD, Can. Ent., xxxiv, 115, 1902. N. Y.
2190. **rutila** GUENÉE, Spec. Gén., v, 123, 1852; SMITH, C. 177. Atl. States.
- *2190. 1. **insulidens** BIRD, Can. Ent., xxxiv, 112, 1902. B. C.
2191. **appassionata** HARVEY, Can. Ent., viii, 155, 1876; SMITH, C. 178. Can.
2192. **marginidens** GUENÉE, Spec. Gén., v, 123, 1852; SMITH, C. 177. No. Atl. States.

2193. **furcata** SMITH, Trans. Am. Ent. Soc., xxvi, 46, 1899. Atl. States.
- *2194. **latia** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Ill.

OCHRIA Hübner.

HÜBNER, Verz. bek. Schmett., 233, 1816.

2195. ~~saualitæ~~ GROTE, Bull. Buff. Soc., ii, 216, 1875; SMITH, C. 179. Cal.
- *2196. **buffaloensis** GROTE, Can. Ent., ix, 88, 1877; SMITH, C. 179. N. Y.

PYRRHIA Hübner.

HÜBNER, Verz. bek. Schmett., 262, 1816.

2197. **umbra** HÜFNAGEL, Berl. Mag., iii, 294, 1767; SMITH, C. 216. Atl. States, Col.
- a. exprimens* WALKER, Cat. Brit. Mus., xi, 687, 1857.
- syn. angulata* GROTE.
- *2198. **stilla** GROTE, No. Am. Ent., i, 45, 1880; SMITH, C. 216. Rocky Mts.

XANTHIA Hübner.

HÜBNER, Tent., 1806.

2199. **flavago** FABRICIUS, Mant. Ins., 160, 1787; SMITH, C. 223. No. Atl. States, Eur.
- syn. togata* ESPER, *silago* HÜBNER.
2200. **pulchella** SMITH, Can. Ent., xxxii, 223, 1900. B. C.
- *2201. **puta** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 347, 1868; SMITH, C. 223. No. Atl. States.

JODIA Hübner.

HÜBNER, Verz. bek. Schmett., 234, 1816.

2202. **rufago** HÜBNER, Zutr. exot. Schmett., f. 61, 1818; SMITH, C. 223. Atl. States.
- syn. honesta* WALKER.

BROTOLOMIA Lederer.

LEDERER, Noct. Eur., ii, 64, 1852; *Mesolomia* SMITH, C. 171.

2203. **iris** GUENÉE, Spec. Gén., vi, 64, 1852; SMITH, C. 171. No. Atl. States.

TRIGONOPHORA Hübner.

HÜBNER, Verz. bek. Schmett., 217, 1816.

2204. **periculosa** GUENÉE, Spec. Gén., vi, 65, 1852; SMITH, C. 171. No. Atl. States, Col.
a. v-brunneum GROTE, Check List Noct., 23, 1875.

CONSERVULA Grote.

GROTE, Check List Noct., 11, 1875.

2205. **anodonta** GUENÉE, Spec. Gén., vi, 63, 1852; SMITH, C. 170. No. Atl. States.

EUCIRRÆDIA Grote.

GROTE, Can. Ent., vii, 206, 1875.

2206. **pampina** GUENÉE, Spec. Gén., v, 402, 1852; SMITH, C. 224. No. Atl. States.

SCOLIOPTERYX Germar.

GERMAR, Syst. Gloss. Prod., 14, 1812.

2207. **libatrix** LINNÆUS, Syst. Nat., 507, 1758; SMITH, C. 224. U. S., Eur.

CHÆPHORA Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 199, 1868.

2208. **fungorum** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 220, 1868; SMITH, C. 211. Atl. States.

PSEUDORTHOSIA Grote.

GROTE, Bull. Buff. Soc., ii, 161, 1874.

2209. **variabilis** GROTE, Bull. Buff. Soc., ii, 161, 1874; SMITH, C. 211. Cal., Col.

PSEUDOGLÆA Grote.

GROTE, Can. Ent., viii, 18, 1876.

- *2210. **blanda** GROTE, Bull. Buff. Soc., iii, 86, 1875; SMITH, C. 210. Pac. States, Col., Tex.
syn. tædata GROTE, *decepta* GROTE.

ANCHOCELIS Guenée.

GUENÉE, Ann. Soc. Ent. Fr., viii, 483, 1839.

2211. **digitalis** GROTE, Bull. Geol. Surv. Terr., vi, 584, 1882; SMITH, C. 215. No. Atl. States.

SELICANIS Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 481, 1900.

2212. **cinereola** SMITH, Proc. U. S. Nat. Mus., xxii, 481, 1900. Col.

TAPINOSTOLA Lederer.

LEDERER, Noct. Eur., 123, 1857.

2213. **orientalis** GROTE, Bull. Geol. Surv. Terr., vi, 583, 1882; SMITH, C. 184. No. Atl. States.
- *2214. **variana** MORRISON, Proc. Acad. Nat. Sci. Phil., 432, 1875; SMITH, C. 184. Mich.

FAGITANA Walker.

WALKER, Cat. Brit. Mus., xxxii, 645, 1865; *Pseudolimacodes* GROTE.

- *2215. **obliqua** SMITH, Jn. N. Y. Ent. Soc., viii, 174, 1900. Fla.
2216. **littera** GUENÉE, Spec. Gén., v, 71, 1852; SMITH, C. 356. Atl. States.
- syn. *lucidata* WALKER, *niveicostatus* GROTE.



COSMIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 84, 1816; *Enargia* HÜBNER, Verz. bek. Schmett., 235, 1816.

2217. **paleacea** ESPER, Schmett. Eur., pl. 122, f. 504, 1788; SMITH, C. 214. U. S., Eur.
- syn. *discolor* WALKER, *infumata* GROTE.
2218. **punctirena** SMITH, Can. Ent., xxxii, 222, 1900. Col.

ORTHOSIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 79, 1816.

2219. **purpurea** GROTE, Bull. Buff. Soc., ii, 125, 1874; SMITH, C. 217. Cal.
- a. **crispa** HARVEY, Bull. Buff. Soc., ii, 276, 1875.
- *2220. **decipiens** GROTE, Bull. Geol. Surv. Terr., vi, 269, 1881; SMITH, C. 217. Ind.
2221. **ralla** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 346, 1868; SMITH, C. 217. Atl. States.
2222. **bicolorago** GUENÉE, Spec. Gén., v, 397, 1852; SMITH, C. 218. Atl. States.
- syn. *spurcata* WALKER.
- a. **ferruginoides** GUENÉE, Spec. Gén., v, 389, 1852.
2223. **euroa** GROTE & ROBINSON, Trans. Am. Ent. Soc., iv, 431, 1873; SMITH, C. 218. Atl. States. Col.

2224. *inops* GROTE, Bull. Geol. Surv. Terr., vi, 270, 1881; SMITH, C. 218. Me.
2225. *aurantiago* GUENÉE, Spec. Gén., v, 34, 1852; SMITH, C. 219. Atl. States.
syn. *illiterata* GROTE, *differta* MORRISON, *Illinoisensis* FRENCH.
- *2226. *americana* MORRISON, Proc. Acad. Nat. Sci. Phil., 434, 1875; SMITH, C. 219. N. Y.
- *2227. *posticata* HARVEY, Bull. Buff. Soc., iii, 8, 1875; SMITH, C. 219. Tex.
- *2228. *citima* GROTE, Pap., iii, 74, 1883; SMITH, C. 219. Ariz.
2229. *conradi* GROTE, Bull. Geol. Surv. Terr., v, 203, 1879; SMITH, C. 219. Atl. States.
2230. *helva* GROTE, Bull. Buff. Soc., ii, 310, 1875; SMITH, C. 219. Atl. States. Col.
2231. *lutosa* ANDREWS, Can. Ent., ix, 99, 1877; SMITH, C. 220. Atl. States. Ariz.
- *2232. *belangeri* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 149, 1874; SMITH, C. 220. Can.
- *2233. *immaculata* MORRISON, Proc. Acad. Nat. Sci. Phil., xvii, 149, 1874; SMITH, C. 220. Nev.
- *2234. *chlorophora* HÜBNER, Samml. exot. Schmett., i, 1806; SMITH, C. 220. So. States.

PARASTICHTIS Hübner.

HÜBNER, Verz. bek. Schmett., 212, 1816.

2235. *discivaria* WALKER, Cat. Brit. Mus., ix, 27, 1856; SMITH, C. 217. No. Atl. States.
syn. *gentilis* GROTE.
a. perbellis GROTE, Bull. Buff. Soc., ii, 144, 1874.

SCOPELOSOMA Curtis.

CURTIS, Brit. Ins., xiv, 635, 1838.

2236. *indirecta* WALKER, Cat. Brit. Mus., x, 468, 1857; SMITH, C. 225. No. Atl. States.
syn. *græfiana* GROTE.
2237. *moffatiana* GROTE, Bull. Geol. Surv. Terr., vi, 538, 1882; SMITH, C. 225. No. Atl. States.
2238. *pettiti* GROTE, Can. Ent., vii, 188, 1875; SMITH, C. 225. No. Atl. States.
2239. *ceromatica* GROTE, Bull. Buff. Soc., ii, 70, 1874; SMITH, C. 225. No. Atl. States.

2240. **tristigmata** GROTE, Can. Ent., ix, 156, 1877; SMITH, C. 225. No. Atl. States.
2241. **walkeri** GROTE, Proc. Ent. Soc. Phil., ii, 439, 1864; SMITH, C. 225. Atl. States.
2242. **sidus** GUENÉE, Spec. Gén., v, 386, 1852; SMITH, C. 226. Atl. States.
syn. *vinulenta* GROTE.
2243. **morrisoni** GROTE, Bull. Buff. Soc., ii, 70, 1874; SMITH, C. 226. No. Atl. States.
2244. **devia** GROTE, Proc. Acad. Nat. Sci. Phil., 209, 1874; SMITH, C. 226. No. Atl. States.

ORRHODIA Hübner

HÜBNER, Verz. bek. Schmett., 231, 1816.

2245. **californica** SMITH, Trans. Am. Ent. Soc., xviii, 113, 1891; C. 223. Cal.

GLÆA Hübner.

HÜBNER, Tent., 1806.

2246. **viatica** GROTE, Sixth Rept. Peab. Acad. Sci., 29, 1874; SMITH, C. 221. Atl. States.
2247. **inulta** GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 221. Atl. States.
2248. **olivata** HARVEY, Bull. Buff. Soc., ii, 120, 1874; SMITH, C. 221. Cal.
2249. **sericea** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 151, 1874; SMITH, C. 222. Atl. States.
- *2250. **signata** FRENCH, Can. Ent., xi, 76, 1879; SMITH, C. 221. Atl. States.

EPIGLÆA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 181, 1878.

2251. **pastillicans** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 151, 1874; SMITH, C. 222. No. Atl. States.
2252. **tremula** HARVEY, Bull. Buff. Soc., ii, 276, 1874; SMITH, C. 222. Tex.
- *2253. **venustula** GROTE, Can. Ent., vii, 84, 1875; SMITH, C. 222. Md.
2254. **apiata** GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 222. No. Atl. States.
2255. **decliva** GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 222. Atl. States.
syn. *deleta* GROTE.

HOMOGLÆA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875.

2256. *hircina* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875; SMITH, C. 220. No. Atl. States.2257. *carnosa* GROTE, Can. Ent., ix, 21, 70, 1877; SMITH, C. 220. No. Atl. States.

MESOGONA Boisduval.

BOISDUVAL, Guenée, Ind. Méth., 144, 1840.

*2258. *oxalina* HÜBNER, Samml. eur. Schmett., iv, 219, 1823; SMITH, C. 211. N. Y.? Eur.
syn. *intexta* HARVEY.

CALYMNIA Hübner.

HÜBNER, Verz. bek. Schmett., 235, 1816.

2259. *orina* GUENÉE, Spec. Gén., vi, 10, 1852; SMITH, C. 212. U. S.syn. *canescens* BEHR, Bull. Cal. Acad. Sci., iii, 61, 1885; SMITH, C. 214.*a. calami* HARVEY, Can. Ent., viii, 54, 1876.

ZOTHECA Grote.

GROTE, Bull. Buff. Soc., ii, 68, 1874.

2260. *tranquilla* GROTE, Bull. Buff. Soc., ii, 69, 1874; SMITH, C. 212. Cal.syn. *sambuci* BEHR.*a. viridula* GROTE, Bull. Geol. Surv. Terr., iv, 180, 1878.

IPIMORPHA Hübner.

HÜBNER, Verz. bek. Schmett., 238, 1816.

2261. *pleonectusa* GROTE, Bull. Buff. Soc., i, 191, 1873; SMITH, C. 212. Atl. States, Col., Utah.syn. *æquilinea* SMITH.*2262. *subvexa* GROTE, Can. Ent., viii, 189, 1876; SMITH, C. 212. Tex., Col.

TRILEUCA Grote.

GROTE, Proc. Am. Phil. Soc., xxi, 166, 1883.

*2263. *buxea* GROTE, Can. Ent., xiii, 230, 1882; SMITH, C. 213. Tex.*2264. *dentalis* SMITH, Trans. Am. Ent. Soc., xviii, 123, 1891; C. 213. Tex.

- *2265. **gulfare** STRECKER, Proc. Dav. Acad. Sci., ii, 274, 1878; SMITH, C. 213. Pa., Ill.

ATETHMIA Hübner.

HÜBNER, Verz. bek. Schmett., 238, 1816.

2266. **subusta** HÜBNER, Zutr. exot. Schmett., ii, 205, 1818; SMITH, C. 213. Fla., Tex., So. Am.
2267. **rectifascia** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 242, 1874; SMITH, C. 214. Atl. States.
- *2268. **inusta** GUENÉE, Spec. Gén., vi, 12, 1852; SMITH, C. 214. Fla., Tex.

TRICHOCOSMIA Grote.

GROTE, Can. Ent., xv, 6, 1883.

2269. **inornata** GROTE, Can. Ent., xv, 6, 1883; SMITH, C. 210. Ariz.

CEA Grote.

GROTE, Pap., iii, 78, 1883.

- *2270. **immaculata** GROTE, Pap., iii, 87, 1883; SMITH, C. 214. Ariz.

TRISTYLA Smith.

SMITH, Ins. Life, v, 332, 1893.

2271. **alboplagiata** SMITH, Ins. Life, v, 332, 1893. Cal.

ANTAPLAGA Grote.

GROTE, Can. Ent., ix, 71, 1877.

2272. **dimidiata** GROTE, Can. Ent., ix, 71, 1877; SMITH, C. 265. Col.
- *2273. **sexseriata** GROTE, Pap., i, 176, 1882; SMITH, C. 265. Ariz.
- *2274. **biundulata** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 502, 1872; SMITH, C. 265. Tex.
- *2275. **composita** HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 266. Ariz.
- *2276. **thoracica** HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 265. Ariz.
2277. **koebelei** RILEY, Ins. Life, v, 333, 1893. Cal.

GROTELLA Harvey.

HARVEY, Bull. Buff. Soc., ii, 278, 1874.

2278. **septempunctata** HARVEY, Bull. Buff. Soc., ii, 278, 1874; SMITH, C. 266. Tex., Col.

2303. **sauvis** HY. EDWARDS, Pap., iv, 45, 1884; SMITH, C. 271. Rocky Mts.

DERRIMA Walker.

WALKER, Cat. Brit. Mus., xii, 770, 1857.

2304. **stellata** WALKER, Cat. Brit. Mus., xxii, 770, 1857; SMITH, C. 271. Atl. States.
a. henrietta GROTE, Proc. Ent. Soc. Phil., iii, 3, 1864.

CHAMÆCLEA Grote.

GROTE, Can. Ent., xv, 76, 1883.

- *2305. **pernana** GROTE, Pap., i, 155, 1881; SMITH, C. 271. Ariz.

RHODOPHORA Guenée.

GUENÉE, Spec. Gén., vi, 170, 1852; *Alaria* WESTWOOD (not SCHRANK), *Oxylos* GROTE, Check List Noct., 19, 1875.

2306. **gauræ** SMITH & ABBOT, Lep. Ins. Ga., ii, 197, 1797; SMITH, C. 272. So. States, Col.
syn. matutina HÜBNER.

2307. **florida** GUENÉE, Spec. Gén., vi, 171, 1852; SMITH, C. 272. Atl. States.

- *2308. **felicitata** SMITH, Trans. Am. Ent. Soc., xxi, 80, 1894. Utah.

2309. **citronellus** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 180, 1870; SMITH, C. 272. Tex., Col.

RHODOSEA Grote.

GROTE, Can. Ent., xv, 5, 1883.

2310. **julia** GROTE, Can. Ent., xv, 5, 1883; SMITH, C. 272. New Mex., Ariz.

RHODODIPSA Grote.

GROTE, Bull. Geol. Surv. Terr., iii, 797, 1877.

2311. **volupia** FITCH, Trans. N. Y. Sta. Agr. Soc., 900, 1857; SMITH, C. 273. Col., Tex.

- *2312. **miniana** GROTE, Pap., i, 175, 1881; SMITH, C. 273. N. Mex.

2313. **masoni** SMITH, Ent. News, vii, 284, 1896. Col.

- *2314. **aden** STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Col.

TRIOCNEMIS Grote.

GROTE, Pap., i, 77, 1881.

2315. **saporis** GROTE, Pap., i, 77, 1881; SMITH, C. 273. Col., Wash., Cal.

PSEUDACONTIA Smith.

SMITH, Trans. Am. Ent. Soc., x, 246, 1882.

2316. **crustaria** MORRISON, Proc. Acad. Nat. Sci. Phil., 70, 1875; SMITH, C. 273. Neb., Col.

GRÆPERIA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 109, 1895; *Heliodora* NEUMOEGEN (not *Heliodore* STÅL), Can. Ent., xxiii, 125, 1891.

- *2317. **magnifica** NEUMOEGEN, Can. Ent., xxiii, 125, 1891; SMITH, C. 273. Tex.

PORRIMA Grote.

GROTE, Bull. Geol. Surv. Terr., iii, 798, 1877.

2318. **regia** STRECKER, Lep. Rhop. Het., 121, 1876; SMITH, C. 279. Kans., Tex., Col.

2319. **sanguinea** GEYER, Zutr. exot. Schmett., f. 613, 1832; SMITH, C. 279. So. States.
syn. *carmosina* NEUMOEGEN.

2320. **gloriosa** STRECKER, Lep. Rhop. Het., 132, 1876; SMITH, C. 280. Tex.

TRICHOSELLUS Grote.

GROTE, Rev. Check List, 36, 1890.

- *2321. **cupes** GROTE, Trans. Am. Ent. Soc., v, 113, 1875; SMITH, C. 280. Pac. States, Tex., Col.
syn. *crotchii* HY. EDWARDS.

EUPANYCHIS Grote.

GROTE, Rev. Check List, 34, 1890.

2322. **spinosæ** GUENÉE, Spec. Gén., vi, 182, 1852; SMITH, C. 281. Atl. States.
syn. *hirtella* GROTE & ROBINSON.

CANIDIA Grote.

GROTE, Rev. Check List, 36, 1890.

2323. **scissa** GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 451, 1876; SMITH, C. 285. Fla.

SCHINIA Hübner.

HÜBNER, Verz. bek. Schmett., 281, 1816; SMITH, Trans. Am. Ent. Soc., x, 225, 1883.

2324. **chrysellus** GROTE, Bull. Buff. Soc., ii, 76, 1874; SMITH, C. 274. Tex., N. Mex., Col.

2325. *lanul* STRECKER, Lep. Rhop. Het., 132, 1877; SMITH, C. 285. Tex., Cal.
 syn. *velaris* GROTE, *ochreifascia* SMITH, C. 274.
- *2326. *hulstia* TEPPER, Trans. Am. Ent. Soc., x, 228, 1883; SMITH, C. 274. Tex., Col.
2327. *aleucis* HARVEY, Can. Ent., vii, 117, 1875; SMITH, C. 275. Tex.
2328. *cumatilis* GROTE, Proc. Ent. Soc. Phil., iv, 330, 1865; SMITH, C. 275. Col., N. Mex.
- *2329. *tenuescens* GROTE, Can. Ent., xv, 128, 1883; SMITH, C. 275. Ariz.
- *2330. *biundulata* SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 275. Col.
2331. *sexplagiata* SMITH, Trans. Am. Ent. Soc., xviii, 124, 1891; C. 275. Col.
 syn. *pyraloides* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898.
2332. *trifascia* HÜBNER, Zutr. exot. Schmett., f. 33, 1818; SMITH, C. 275. Atl. States, Col.
 syn. *lineata* WALKER.
- *2333. *gracilentia* HÜBNER, Zutr. exot. Schmett., f. 5, 1818; SMITH, C. 276. So. States.
 syn. *oleagina* MORRISON.
2334. *simplex* SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 276. Col.
- *2335. *arefacta* HY. EDWARDS, Pap., iv, 123, 1884; SMITH, C. 276. Fla.
2336. *unimacula* SMITH, Trans. Am. Ent. Soc., x, 229, 1882; C. 276. Col.
2337. *obliqua* SMITH, Trans. Am. Ent. Soc., x, 229, 1882; C. 276. Ariz.
- *2338. *bifascia* HÜBNER, Zutr. exot. Schmett., f. 55, 1818; SMITH, C. 276. Ga., Ariz., Col.
2339. *nundina* DRURY, Ill. Exot. Ent., i, 36, 1770; SMITH, C. 276. Atl. States.
 syn. *nigrirena* HAWORTH.
- *2340. *parmeliana* HY. EDWARDS, Pap., ii, 14, 1882; SMITH, C. 277. Md.
2341. *acutilinea* GROTE, Can. Ent., x, 232, 1878; SMITH, C. 277. Rocky Mts.
 syn. *separata* GROTE.
- *2342. *balba* GROTE, Pap., i, 156, 1881; SMITH, C. 277. Ariz.

- *2343. **coercita** GROTE, Pap., i, 156, 1881; SMITH, C. 277. Ariz.
- *2344. **walsinghami** HY. EDWARDS, Pap., i, 20, 1881; SMITH, C. 278. Oreg.
2345. **brucei** SMITH, Trans. Am. Ent. Soc., xviii, 125, 1891; C. 278. Col.
2346. **lynx** GUENÉE, Spec. Gén., vi, 185, 1852; SMITH, C. 278. Atl. States.
2347. **roseitincta** HARVEY, Bull. Buff. Soc., ii, 278, 1875; SMITH, C. 278. Tex., Col.
syn. *exaltata* HY. EDWARDS.
2348. **saturata** GROTE, Bull. Buff. Soc., ii, 74, 1874; SMITH, C. 278. Atl. States, Cal.
syn. *rubiginosa* STRECKER.
2349. **diffusa** SMITH, Trans. Am. Ent. Soc., xviii, 125, 1891; C. 279. Col.
2350. **sordidus** SMITH, Trans. Am. Ent. Soc., x, 230, 1883; C. 279. Ala., Tex.
2351. **tertia** GROTE, Proc. Acad. Nat. Sci. Phil., 212, 1874; SMITH, C. 279. Tex.
2352. **albafascia** SMITH, Trans. Am. Ent. Soc., x, 231, 1883; C. 279. Utah, Col.
2353. **jaguarina** GUENÉE, Spec. Gén., vi, 184, 1852; SMITH, C. 280. So. States, Col.
2354. **arcifera** GUENÉE, Spec. Gén., vi, 184, 1852; SMITH, C. 280. Atl. States.
syn. *spraguei* GROTE.
- *2355. **petulans** HY. EDWARDS, Pap., iv, 123, 1884; SMITH, C. 281. Fla.
- *2356. **crenilinea** SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 281. Tex.
- *2357. **lupatus** GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 281. Tex.
2358. **packardii** GROTE, Proc. Ent. Soc. Phil., iii, 528, 1864; SMITH, C. 281. Tex., Col., Ariz.
syn. *mortua* GROTE, *nobilis* GROTE.
- *2359. **bicuspidata** SMITH, Trans. Am. Ent. Soc., xviii, 127, 1891; C. 282. Tex.
2360. **thoreau** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 181, 1868; SMITH, C. 282. So. States.
2361. **marginata** HAWORTH, Lep. Brit., 374, 1810; SMITH, C. 282. Atl. States.
syn. *rivulosa* GUENÉE, *divergens* WALKER, *contracta* WALKER, *designata* WALKER.

- *2362. **imperspicua** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 276. Tex.
 syn. *digitalis* SMITH, Trans. Am. Ent. Soc., xviii, 128, 1891; C. 283.
- *2363. **constricta** HY. EDWARDS, Pap., ii, 128, 1882; SMITH, C. 283. N. C.
- *2364. **septentrionalis** WALKER, Cat. Brit. Mus., xv, 1744, 1858; SMITH, C. 284. Ill.
- *2365. **tuberculum** HÜBNER, Zutr. exot. Schmett., f. 517, 1823; SMITH, C. 283. So. Atl. States.
 syn. *dorsilutea* WALKER.
2366. **brevis** GROTE, Proc. Ent. Soc. Phil., iii, 530, 1864; SMITH, C. 283. Atl. States, Col.
a. atrites GROTE, Proc. Ent. Soc. Phil., iii, 530, 1864.
- *2367. **concinna** SMITH, Trans. Am. Ent. Soc., xviii, 128, 1891; C. 284. Tex.
2368. **errans** SMITH, Trans. Am. Ent. Soc., x, 235, 1883; C. 284. Ariz.
- *2369. **inclara** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 284. Tex.
- *2370. **limbalis** GROTE, Proc. Acad. Nat. Sci. Phil., 421, 1875; SMITH, C. 284. Kans.
2371. **meskeana** GROTE, Can. Ent., vii, 234, 1875; SMITH, C. 284. Tex., Fla.
 syn. *fastidiosa* STRECKER, *rufimedia* GROTE.
2372. **ultima** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 285. Tex.
2373. **ligææ** SMITH, Ins. Life, v, 331, 1893. Cal.
2374. **intrabilis** SMITH, Ins. Life, v, 331, 1893. Cal.
2375. **ciliata** SMITH, Proc. U. S. Nat. Mus., xxii, 488, 1900. N. Mex.
2376. **oculata** SMITH, Proc. U. S. Nat. Mus., xxii, 488, 1900. Ariz.
2377. **reniformis** SMITH, Proc. U. S. Nat. Mus., xxii, 487, 1900. Col.
- *2378. **labe** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2379. **hanga** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Tex.
- *2380. **ar** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.

- *2381. **nubila** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 284. Tex.
- *2382. **approximata** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2383. **dolosa** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Tex.
- *2384. **neglecta** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Col.
- *2385. **tanena** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2386. **obscurata** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Pa.
- *2387. **lora** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2388. **siren** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 285. Tex.

DASYSPOUDÆA Smith.

SMITH, Trans. Am. Ent. Soc., x, 213, 1883.

2389. **lucens** MORRISON, Proc. Acad. Nat. Sci. Phil., 69, 1875; SMITH, C. 286. Rocky Mts.
a. luxuriosa GROTE, Can. Ent., xiv, 175, 1882.
2390. **meadii** GROTE, Bull. Buff. Soc., i, 121, 1873; SMITH, C. 286. Mont., Col.

PSEUDANTHŒCIA Smith.

SMITH, Trans. Am. Ent. Soc., x, 213, 1880.

2391. **tumida** GROTE, Bull. Brook. Ent. Soc., iii, 30, 1880; SMITH, C. 286. Col.

PALADA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 486, 1900.

2392. **scarletina** SMITH, Proc. U. S. Nat. Mus., xxii, 487, 1900. Cal.

STYLOPODA Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 131, 1891.

2393. **cephalica** SMITH, Trans. Am. Ent. Soc., xviii, 131, 1891; C. 286. Cal.

SYMPISTIS Hübner.

HÜBNER, Verz. bek. Schmett., 257, 1816; *Euros* HY. EDWARDS.

- *2394. **proprius** HY. EDWARDS, Pap., i, 19, 1881; SMITH, C. 286. Cal.

MELANOPORPHYRIA Grote.

GROTE, Bull. Buff. Soc., ii, 75, 1874.

2395. **immortua** GROTE, Bull. Buff. Soc., ii, 75, 220, 1874; SMITH, C. 287. Mass., N. Y., Col.
- *2396. **prorupta** GROTE, Trans. Am. Ent. Soc., iv, 294, 1873; SMITH, C. 287. Cal., Oreg.
syn. *venusta* HY. EDWARDS.
2397. **oregona** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 135, 1875; SMITH, C. 287. Col., Nev., Oreg.

DYSOCNEMIS Grote.

GROTE, Rev. Check List, 34, 1890.

2398. **belladonna** HY. EDWARDS, Pap., i, 20, 1881; SMITH, C. 287. Utah.

PSEUDOTAMILA Smith.

SMITH, Trans. Am. Ent. Soc., x, 238, 1883.

2399. **vanella** GROTE, Can. Ent., xi, 197, 1877; SMITH, C. 287. Nev., Cal.
- *2400. **perminuta** HY. EDWARDS, Pap., i, 21, 1881; SMITH, C. 287. Cal.

MELICLEPTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 262, 1816.

- *2401. **celeris** GROTE, Bull. Buff. Soc., i, 148, 1873; SMITH, C. 288. So. Cal.
2402. **pulchripennis** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 241, 1874; SMITH, C. 288. Cal., Col.
syn. *languida* HY. EDWARDS.
- *2403. **graefiana** TEPPER, Trans. Am. Ent. Soc., x, 245, 1883; SMITH, C. 288. So. Cal.
2404. **villosa** GROTE, Proc. Ent. Soc. Phil., iii, 531, 1864; SMITH, C. 288. Col., Cal.
syn. *paucillus* GROTE.
a. **persimilis** GROTE, Bull. Buff. Soc., i, 117, 1873.
2405. **honesta** GROTE, Pap., i, 77, 1881; SMITH, C. 289. Oreg.
- *2406. **sueta** GROTE, Bull. Buff. Soc., i, 117, 1873; SMITH, C. 289. Col., Cal.
syn. *californicus* GROTE.
- *2407. **vacciniæ** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 134, 1875; SMITH, C. 289. Cal.

2408. **septentrionalis** HY. EDWARDS, Pap., iv, 45, 1884; Can.
SMITH, C. 289.

HELIOLONCHE Grote.

GROTE, Bull. Buff. Soc., i, 115, 1873.

2409. **modicella** GROTE, Bull. Buff. Soc., i, 116, 1873; Cal., Col.,
SMITH, C. 289. Utah.

OMIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

2410. **nesæa** SMITH, Ins. Life, v, 332, 1893. Cal.

HELIOPHANA Grote.

GROTE, Bull. Buff. Soc., ii, 220, 1875.

- *2411. **mitis** GROTE, Bull. Buff. Soc., i, 116, 1873; Tex.,
SMITH, C. 290. Miss.
syn. *obliquata* SMITH.

2412. **amaryllis** SMITH, Trans. Am. Ent. Soc., xviii, 130, Cal.
1891; C. 290.

- *2413. **bina** GUENÉE, Spec. Gén., vi, 186, 1852; SMITH, Neb.,
C. 290. N. Y.

HELIODES Guenée.

GUENÉE, Ann. Soc. Ent. Fr., x, 61, 1841.

2414. **restrictalis** SMITH, Proc. U. S. Nat. Mus., xxii, Cal.
485, 1900.

2415. **angelica** SMITH, Proc. U. S. Nat. Mus., xxii, 484, Cal.
1900.

HELIOSEA Grote.

GROTE, Bull. Buff. Soc., ii, 220, 1875.

- *2416. **pictipennis** GROTE, Bull. Buff. Soc., ii, 220, 1875; Cal.
SMITH, C. 289.

XANTHOTHRIX Hy. Edwards.

HY. EDWARDS, Pac. Coast Lep., no. 29, 1878.

2417. **ranunculi** HY. EDWARDS, Pac. Coast Lep., no. 29, Cal.
1878; SMITH, C. 290.

2418. **neumoegeni** HY. EDWARDS, Pap., i, 101, 1881; Cal.
SMITH, C. 290.

AXENUS Grote.

GROTE, Bull. Buff. Soc., i, 153, 1873.

2419. **arvalis** GROTE, Bull. Buff. Soc., i, 152, 1873; Cal., Col.,
SMITH, C. 291. Ariz.
- a. ochraceus* HY. EDWARDS, Proc. Cal. Acad. Sci.,
vi, 136, 1875.
- b. amplus* HY. EDWARDS, Proc. Cal. Acad. Sci.,
vi, 136, 1875.

HELIACA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Schmett. Eur., ii, 370, 1853.

2420. **diminutiva** GROTE, Bull. Buff. Soc., i, 148, 1873; Cal., Nev.,
SMITH, C. 291. Col.
2421. **fasciata** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, Col.
134, 1875; SMITH, C. 281.
- *2422. **dubitans** TEPPER, Trans. Am. Ent. Soc., vi, 134, Nev.
1875; SMITH, C. 291.
2423. **nexilis** MORRISON, Proc. Acad. Nat. Sci. Phil., Col.,
102, 1875; SMITH, C. 291. Cal.
2424. **elaborata** HY. EDWARDS, Pap., i, 21, 1881; SMITH. Col.
C. 291.

EUPSEUDOMORPHA Dyar.

DYAR, Can. Ent., xxv, 28, 1893.

- *2425. **brillians** NEUMOEGEN, Can. Ent., xii, 67, 1880; Tex.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 23,
1894.

XANTHOPASTIS Hübner.

HÜBNER, Verz. bek. Schmett., 211, 1816.

2426. **timais** CRAMER, Pap. Exot., pl. 275, f. B, 1782; Fla.
SMITH, C. 180.
- syn. regnatrrix* GROTE.

PSYCHOMORPHA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 319, 1839.

2427. **epimenis** DRURY, Ill. Exot. Ent., iii, pl. 39, f. 2, Atl.
1780; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., States.
ii, 19, 1894.

EUTHISANOTIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 12, 1825; *Eudryas* BOISDUVAL.

2428. **unio** HÜBNER, Zutr. exot. Schmett., iii, 12, 839, Atl.
840, 1825; NEUMOEGEN & DYAR, Jn. N. Y. Ent. States.
Soc., ii, 24, 1894.

2429. **brevipennis** STRETCH, Zyg. Bomb. No. Am., 151, Cal.
1874; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc.
ii, 25, 1894.
2430. **grata** FABRICIUS, Syst. Ent., iii, 457, 1793; Atl.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 25, States.
1894.
- syn. *assimilis* BOISDUVAL.

CIRIS Grote.

GROTE, Proc. Ent. Soc. Phil., ii, 65, 1863.

2431. **wilsoni** GROTE, Proc. Ent. Soc. Phil., ii, 65, 1863; Tex.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 25,
1894.

NOROPSIS Guenée.

GUENÉE, Spec. Gén., v, 117, 1852.

2432. **hieroglyphica** CRAMER, Pap. Exot., pl. 147, f. D, Tex.,
1779; SMITH, C. 180. Fla.
- syn. *festiva* FABRICIUS, *elegans* HÜBNER, *fastuosa* GUENÉE.

FENARIA Grote.

GROTE, Pap., ii, 132, 1882.

2433. **longipes** DRUCE, Biol. Cent. Am., Lep. Het., i, Ariz.,
334, 1889. Mex.
2434. **sevorsa** GROTE, Pap., ii, 132, 1882; NEUMOEGEN Ariz.,
& DYAR, Jn. N. Y. Ent. Soc., ii, 19, 1894. Mex.
- syn. *adessa* DRUCE, Biol. Cent. Am., Lep.
Het., i, 334, 1889.

ACHERDOA Walker.

WALKER, Cat. Brit. Mus., xxxii, 451, 1865; *Varina* NEUMOEGEN.

2435. **ferraria** WALKER, Cat. Brit. Mus., xxxii, 451, Fla.
1865; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc.,
ii, 59, 1894.
- syn. *ornata* NEUMOEGEN.

AON Neumoegen.

NEUMOEGEN, Ent. News, iii, 258, 1893.

2436. **noctuiiformis** NEUMOEGEN, Ent. News, iii, 258, Tex.
1893; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc.,
ii, 60, 1894.

CIRRHOPHANUS Grote.

GROTE, Can. Ent., iv, 187, 1872.

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| 2437. triangulifer GROTE, Can. Ent., iv, 187, 1872;
SMITH, C. 261. | So.
States. |
| 2438. dyari COCKERELL, Can. Ent., xxxi, 288, 1899. | N. Mex. |
| 2439. duplicatus SMITH, Trans. Am. Ent. Soc., xviii,
112, 1891; C. 261. | Col. |

TRICHOCALE Ottolengui.

Kallitrichia OTTOLENGUI (not *Callitriche* POLI), Can. Ent., xxx, 107, 1898.—R.
OTTOLENGUI.

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| *2440. coronides DRUCE, Biol. Cent. Am., Lep. Het., i,
328, 1889.
syn. <i>pendula</i> OTTOLENGUI, Can. Ent., xxx, 108,
1898. | Ariz.,
Mex. |
| *2441. albavena OTTOLENGUI, Can. Ent., xxx, 107, 1898. | Ariz. |
| *2442. smithii DRUCE, Biol. Cent. Am., Lep. Het., i,
329, 1889. (May be 2463.)
<i>a. sagittalba</i> OTTOLENGUI, Can. Ent., xxx, 108,
1898. | Ariz.,
Mex. |

BASILODES Guenée.

GUENÉE, Spec. Gén., vi, 358, 1852.

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| 2443. pepita GUENÉE, Spec. Gén., vi, 358, 1852; SMITH,
C. 261. | So. Atl.
States. |
| 2444. chrysopis GROTE, Pap., i, 154, 1881; SMITH, C.
261. | Rocky Mts. |
| 2445. territans HY. EDWARDS, Pap., iv, 45, 1884; SMITH,
C. 261. | Ariz. |
| *2446. howardi HY. EDWARDS, Pac. Coast Lep., 25, 1877;
SMITH, C. 261. | Ariz. |
| *2447. mirabilis NEUMOEGEN, Pap., iv, 94, 1884; SMITH,
C. 262. | Ariz. |
| *2447. 1. arizonae FRENCH, Can. Ent., xxi, 161, 1889;
SMITH, C. 248. | Ariz. |

STIRIA Grote.

GROTE, Bull. Buff. Soc., ii, 73, 1874.

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|---|---------------|
| 2448. rugifrons GROTE, Bull. Buff. Soc., ii, 75, 1874;
SMITH, C. 262. | Kans.
Col. |
| *2449. consuela STRECKER, Lep. Rhop. Het., suppl. 3,
34, 1900. | Ariz. |

- *2450. **sulphurea** NEUMOEGEN, Pap., ii, 135, 1882; SMITH, C. 262. Ariz.
- *2451. **nanata** NEUMOEGEN, Pap., iv, 95, 1884; SMITH, C. 262. N. Mex.

STIBADIUM Grote.

GROTE, Bull. Buff. Soc., ii, 74, 1874.

2452. **spumosum** GROTE, Bull. Buff. Soc., ii, 74, 1874; SMITH, C. 262. So. Atl. States, Col.
2453. **aureolum** HY. EDWARDS, Pap., ii, 126, 1882; SMITH, C. 262. Ariz.
- *2454. **curiosum** NEUMOEGEN, Pap., iii, 141, 1883; SMITH, C. 262. Ariz.
2455. **navium** HARVEY, Bull. Buff. Soc., iii, 10, 1875; SMITH, C. 263. Tex.

PLAGIOMIMICUS Grote.

GROTE, Bull. Buff. Soc., i, 182, 1873.

2456. **pityochromus** GROTE, Bull. Buff. Soc., i, 182, 1873; SMITH, C. 263. So. Atl. States, Col.
2457. **triplagiatus** SMITH, Ent. Amer., vi, 139, 1890; C. 163. N. Mex.
2458. **tepperi** MORRISON, Proc. Acad. Nat. Sci. Phil., 68, 1875; SMITH, C. 263. Tex., Col.
syn. *richi* GROTE.
2459. **expallidus** GROTE, Pap., ii, 185, 1882; SMITH, C. 264. Mont., Col.
- *2460. **viridifera** GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 264. Ariz.

FALA Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 425, 1875.

- *2461. **ptycophora** GROTE, Proc. Acad. Nat. Sci. Phil., 426, 1875; SMITH, C. 264. Cal.

NARTHECOPHORA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 485, 1900.

2462. **pulverea** SMITH, Proc. U. S. Nat. Mus., xxii, 486, 1900. Ariz.

NEUMOEGENIA Grote.

GROTE, Pap., ii, 132, 1882.

- *2463. **poetica** GROTE, Pap., ii, 132, 184, 1882; SMITH, C. 265. Ari Ore

PLUSIODONTA Guenée.

GUENÉE, Spec. Gén., vi, 359, 1852.

2464. **compressipalpis** GUENÉE, Spec. Gén., vi, 359, 1852; SMITH, C. 260. Atl. States.
syn. *insignis* WALKER.

GONODONTA Hübner.

HÜBNER, Verz. bek. Schmett., 263, 1816.

2465. **unica** NEUMOEGEN, Can. Ent., xxiii, 125, 1891; SMITH, C. 259; DYAR, Proc. U. S. Nat. Mus., xxiii, 272, 1900. Fla.
*2466. **nutrix** CRAMER, Pap. Exot., iv, pl. 312, f. B. Fla.,
1782; GUENÉE, Spec. Gén., vi, 370, 1852. So. Am.

CALPE Treitschke.

TREITSCHKE, Schmett. Eur., v, 2, 168, 1825.

2467. **canadensis** BETHUNE, Proc. Ent. Soc. Phil., iv, 213, 1865; SMITH, C. 259. No. Atl. States.
syn. *purpurascens* WALKER, *sobria* WALKER.

PANCHRYSIA Hübner.

HÜBNER, Verz. bek. Schmett., 252, 1816; *Dera* WALKER, Cat. Brit. Mus., xii, 962, 1857.

- *2468. **morigera** HY. EDWARDS, Ent. Amer., ii, 169, 1887; SMITH, C. 247. Col.
2469. **purpurigera** WALKER, Cat. Brit. Mus., xiv, 1791, 1858; SMITH, C. 246. Atl. States, Col.
*2470. **palligera** GROTE, Pap., i, 35, 1881; SMITH, C. 247. Cal., Col.
2471. **ornata** OTTOLENGUI, Can. Ent., xxx, 106, 1898. N. Mex.

POLYCHRYSIA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2472. **moneta** FABRICIUS, Mant. Ins., 162, 1787; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2521, 1901. Alberta, Eur.
a. **esmeralda** OBERTHUR, Étud. d'Ent., v, 85, 1880.
syn. *trabea* SMITH, Ent. News, vii, 29, 1896.
2473. **formosa** GROTE, Proc. Ent. Soc. Phil., iv, 323, 1865; SMITH, C. 249. Atl. States.

PLUSIA Hübner.

HÜBNER, Tent., 1806; OCHSENHEIMER, Schmett. Eur., iv, 89, 1816.

2474. *ærea* HÜBNER, Schmett. Eur., iv, pl. 56, f. 27, 1810; SMITH, C. 247. Atl. States, Col.
2475. *æroides* GROTE, Proc. Ent. Soc. Phil., iii, 83, 1864; SMITH, C. 247. Atl. States, Col.
2476. *balluca* GEYER, Zutr. exot. Schmett., f. 681, 1835; SMITH, C. 248. No. Atl. States.
2477. *metallica* GROTE, Bull. Buff. Soc., ii, 371, 1875; SMITH, C. 248. Wash., Cal.
- syn. *scapularis* HY. EDWARDS, Pap., ii, 127, 1882; *lenzi* FRENCH, Can. Ent., xxi, 161, 1889; SMITH, C. 253.

EUCHALCIA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2478. *contexta* GROTE, Bull. Buff. Soc., i, 193, 1873; SMITH, C. 248. Atl. States.
2479. *festucae* LINNÆUS, Syst. Nat., 513, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2546, 1901. Atl. States, Eur.
- a. putnami* GROTE, Bull. Buff. Soc., i, 146, 1873; SMITH, C. 248.
2480. *venusta* WALKER, Cat. Brit. Mus., xxxiii, 836, 1865; SMITH, C. 248. Atl. States.
- syn. *striatella* GROTE.

EOSPHOROPTERYX Dyar.

DYAR, Jn. N. Y. Ent. Soc., x, 80, 1902.

2481. *thyatiroides* GUENÉE, Spec. Gén., vi, 337, 1852; SMITH, C. 249. Atl. States.

AUTOGRAPHHA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2482. *mappa* GROTE & ROBINSON, Trans. Am. Ent. Soc. ii, 204, 1868; SMITH, C. 249. No. Atl. States.
2483. *bimaculata* STEPHENS, Ill. Brit. Ent., Haust., iii, 104, 1832; SMITH, C. 249. Atl. States.
- *2484. *solida* OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 64, 1902. Tex., Mex.
2485. *biloba* STEPHENS, Ill. Brit. Ent., Haust., iii, 104, 1832; SMITH, C. 249. U. S.

2486. **verruca** FABRICIUS, Ent. Syst., iii, 2, 81, 1794; ATL. STATES, SMITH, C. 250. SO. AM.
 syn. *omega* HÜBNER, *oo* CRAMER. *omicron* HÜBNER, *questionis* TREITSCHKE, *rutila* WALKER.
2487. **rogationis** GUENÉE, Spec. Gén., vi, 344, 1852; ATL. STATES, SMITH, C. 250. COL., SO. AM.
 syn. *hamifera* WALKER, *dyaus* GROTE, *includens* WALKER, *culta* LINTNER.
2488. **precationis** GUENÉE, Spec. Gén., vi, 344, 1852; ATL. STATES, SMITH, C. 251.
2489. **egena** GUENÉE, Spec. Gén., vi, 328, 1852; SMITH, C. 251. FLA.
2490. **labrosa** GROTE, Proc. Acad. Nat. Sci. Phil., 207, 1874; SMITH, C. 251. CAL.
2491. **flagellum** WALKER, Cat. Brit. Mus., xii, 909, 1857; SMITH, C. 251. CAN
 syn. *monodon* GROTE, *insolita* SMITH, Ent. News, vii, 30, 1896.
2492. **gamma** LINNÆUS, Faun. Suec., 1171, 1761; SMITH, C. 251. CAN., PAC. STATES.
a. **pseudogamma** GROTE, Can. Ent., vii, 203, 1875; SMITH, C. 251.
b. **californica** SPEYER, Stett. ent. Zeit., xxxvi, 164, 1875.
 syn. *russea* HY. EDWARDS.
2493. **ou** GUENÉE, Spec. Gén., vi, 348, 1852; SMITH, C. 252. U. S.
 syn. *fratella* GROTE, Bull. Buff. Soc., ii, 161, 1874; SMITH, C. 252.
- *2494. **rubidus** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 67, 1902. CAN.
- *2495. **pedalis** GROTE, Can. Ent., vii, 204, 1875; SMITH, C. 252. KANS.
2496. **brassicæ** RILEY, Second Rept. Ins. Mo., 110, 1870; SMITH, C. 253. U. S.
 syn. *echinocystis* BEHR.
- *2497. **abrota** DRUCE, Biol. Cent. Am., Lep. Het., i, 333, 1889; ii, 504, 1898. FLA., MEX.
2498. **oxygramma** GEYER, Zutr. exot. Schmett., f. 769, 1830; SMITH, C. 253. SO. STATES, SO. AM.
 syn. *indigna* WALKER, Cat. Brit. Mus., xxii, 901, 1857; SMITH, C. 257.
- *2500. **albavitta** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 75, 1902. CAL.

2501. **alias** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. No. Atl. States.
2502. **octoscripta** GROTE, Bull. Buff. Soc., ii, 72, 1874; SMITH, C. 254. No. Atl. States.
syn. *octosignata* GROTE.
- *2503. **altera** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. N. Y., Can.
- *2504. **v-alba** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 73, 1902. Wyo.
2505. **rectangula** KIRBY, Faun. Bor. Am., iv, 306, 1837; SMITH, C. 254. No. Atl. States.
syn. *mortuorum* GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254.
- *2506. **n-aureum** GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254.¹ No. Atl. States.
- *2507. **arctica** MÖSCHLER, Verh. zool.-bot. Ges. Wien, 285, 1884.¹ Labr.
2508. **vaccinii** HY. EDWARDS, Ent. Amer., iii, 170, 1886; SMITH, C. 254.¹ No. Atl. States.
2509. **selecta** WALKER, Cat. Brit. Mus., xii, 912, 1857; SMITH, C. 255. No. Atl. States.
syn. *viridisignata* GROTE.
- *2510. **variana** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 70, 1902. N. Bruns.
2511. **epsilon** OTTOLENGUI, Proc. Wash. Acad. Sci., ii, 494, 1901. Alaska.
2512. **angulidens** SMITH, Trans. Am. Ent. Soc., xviii, 111, 1891; C. 255. Col.
2513. **ottolenguii** DYAR. Alaska.
syn. *arctica* OTTOLENGUI (not MÖSCHLER), Jn. N. Y. Ent. Soc., x, 66, 1902.
- *2514. **celsa** HY. EDWARDS, Pap., i, 101, 1891; SMITH, C. 255. Oreg.
2515. **epigæa** GROTE, Proc. Acad. Nat. Soc. Phil., 208, 1874; SMITH, C. 255. N. Y., Mass., Col.
- *2516. **surena** GROTE, Bull. Geol. Surv. Terr., vi, 585, 1882; SMITH, C. 255. Me.
2517. **ampla** WALKER, Cat. Brit. Mus., xii, 910, 1857; SMITH, C. 256. No. Atl. States, Col.
syn. *alterna* STRECKER, Proc. Acad. Nat. Sci. Phil., xxxvii, 178, 1885.

¹These names may not represent more than one species.

2486. **verruca** FABRICIUS, Ent. Syst., iii, 2, 81, 1794; ATL. STATES, SMITH, C. 250. So. Am.
 syn. *omega* HÜBNER, *oo* CRAMER, *omicron* HÜBNER, *questionis* TREITSCHKE, *rutila* WALKER.
2487. **rogationis** GUENÉE, Spec. Gén., vi, 344, 1852; ATL. STATES, SMITH, C. 250. Col., So. Am.
 syn. *hamifera* WALKER, *dyaus* GROTE. *includens* WALKER, *culta* LINTNER.
2488. **precationis** GUENÉE, Spec. Gén., vi, 344, 1852; ATL. STATES, SMITH, C. 251. Fla.
2489. **egena** GUENÉE, Spec. Gén., vi, 328, 1852; SMITH, C. 251. Cal.
2490. **labrosa** GROTE, Proc. Acad. Nat. Sci. Phil., 207, 1874; SMITH, C. 251. Can
2491. **flagellum** WALKER, Cat. Brit. Mus., xii, 909, 1857; SMITH, C. 251. Can
 syn. *monodon* GROTE, *insolita* SMITH, Ent. News, vii, 30, 1896.
2492. **gamma** LINNÆUS, Faun. Suec., 1171, 1761; SMITH, C. 251. Can., Pac. States.
a. **pseudogamma** GROTE, Can. Ent., vii, 203, 1875; SMITH, C. 251.
b. **californica** SPEYER, Stett. ent. Zeit., xxxvi, 164, 1875.
 syn. *russea* HY. EDWARDS.
2493. **ou** GUENÉE, Spec. Gén., vi, 348, 1852; SMITH, C. 252. U. S.
 syn. *fratella* GROTE, Bull. Buff. Soc., ii, 161, 1874; SMITH, C. 252.
- *2494. **rubidus** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 67, 1902. Can.
- *2495. **pedalis** GROTE, Can. Ent., vii, 204, 1875; SMITH, C. 252. Kans.
2496. **brassicæ** RILEY, Second Rept. Ins. Mo., 110, 1870; SMITH, C. 253. U. S.
 syn. *echinocystis* BEHR.
- *2497. **abrota** DRUCE, Biol. Cent. Am., Lep. Het., i, 333, 1889; ii, 504, 1898. Fla., Mex.
2498. **oxygramma** GEYER, Zutr. exot. Schmett., f. 769, 1830; SMITH, C. 253. So. States, So. Am.
 syn. *indigna* WALKER, Cat. Brit. Mus., xxii, 901, 1857; SMITH, C. 257.
- *2500. **albavitta** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 75, 1902. Cal.

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| 2501. alias OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. | No. Atl. States. |
| 2502. octoscripta GROTE, Bull. Buff. Soc., ii, 72, 1874; SMITH, C. 254.
syn. <i>octosignata</i> GROTE. | No. Atl. States. |
| *2503. altera OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. | N. Y., Can. |
| *2504. v-alba OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 73, 1902. | Wyo. |
| 2505. rectangula KIRBY, Faun. Bor. Am., iv, 306, 1837; SMITH, C. 254.
syn. <i>mortuorum</i> GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254. | No. Atl. States. |
| *2506. u-aureum GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254. ¹ | No. Atl. States. |
| *2507. arctica MÖSCHLER, Verh. zool.-bot. Ges. Wien, 285, 1884. ¹ | Labr. |
| 2508. vaccinii HY. EDWARDS, Ent. Amer., iii, 170, 1886; SMITH, C. 254. ¹ | No. Atl. States. |
| 2509. selecta WALKER, Cat. Brit. Mus., xii, 912, 1857; SMITH, C. 255.
syn. <i>viridisignata</i> GROTE. | No. Atl. States. |
| *2510. variana OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 70, 1902. | N. Bruns. |
| 2511. epsilon OTTOLENGUI, Proc. Wash. Acad. Sci., ii, 494, 1901. | Alaska. |
| 2512. angulidens SMITH, Trans. Am. Ent. Soc., xviii, 111, 1891; C. 255. | Col. |
| 2513. ottolenguii DYAR.
syn. <i>arctica</i> OTTOLENGUI (not MÖSCHLER), Jn. N. Y. Ent. Soc., x, 66, 1902. | Alaska. |
| *2514. celsa HY. EDWARDS, Pap., i, 101, 1891; SMITH, C. 255. | Oreg. |
| 2515. epigæa GROTE, Proc. Acad. Nat. Soc. Phil., 208, 1874; SMITH, C. 255. | N. Y., Mass., Col. |
| *2516. surena GROTE, Bull. Geol. Surv. Terr., vi, 585, 1882; SMITH, C. 255. | Me. |
| 2517. ampla WALKER, Cat. Brit. Mus., xii, 910, 1857; SMITH, C. 256.
syn. <i>alterna</i> STRECKER, Proc. Acad. Nat. Sci. Phil., xxxvii, 178, 1885. | No. Atl. States, Col. |

¹These names may not represent more than one species.

2518. **basigera** WALKER, Cat. Brit. Mus., xxxiii, 836, 1865; SMITH, C. 255. Atl. States.
syn. *laticlavia* MORRISON.
2519. **falcigera** KIRBY, Faun. Bor. Am., iv, 308, 1837; SMITH, C. 254. U. S.
a. simplex GUENÉE, Spec. Gén., vi, 346, 1852; SMITH, C. 256.
2520. **pasiphæia** GROTE, Bull. Buff. Soc., i, 146, 1873; SMITH, C. 256. Pac. States.
- *2521. **zeta** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 70, 1902. N.-W. Terr.
- *2522. **excelsa** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 71, 1902. No. U. S.
- *2523. **pallida** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 71, 1902. Newfoundl.
2524. **corrusca** STRECKER, Proc. Acad. Nat. Sci. Phil., 178, 1885; SMITH, C. 257. Col., Wash.
- *2525. **omicron** AFZELIUS, Life Linn., 1823; SMITH, C. 257.¹ N. Y.
- *2526. **speciosa** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 73, 1902. B. C.
- *2527. **simplicima** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 74, 1902. Wash.
2528. **sackeni** GROTE, Can. Ent., ix, 135, 1877; SMITH, C. 257. Col.
- *2529. **snowi** HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 257. Col., N. Mex.
- *2530. **diasema** BOISDUVAL, Eur. Lep. Ind. Méth., 93, 1829; SMITH, C. 256. Lab., Col.
2531. **accurata** HY. EDWARDS, Pap., ii, 127, 1882; SMITH, C. 257. Wash.

SYNGRAPHA Hübner.

HÜBNER, Verz. bek. Schmett., 250, 1816; *Caloptusia* SMITH.

2532. **parilis** HÜBNER, Schmett. Eur., Noct., iii, 422, 1800; SMITH, C. 256. Arctic Am.
syn. *quadriplaga* WALKER.
2533. **ignea** GROTE, Proc. Ent. Soc. Phil., ii, 274, 1863; SMITH, C. 258. Col.

¹ This name falls by homonymy even if it represent a different species from *omicron* Hübner [2486]. See Fée, Life Linnaeus in Mém. Soc. R. d. Sci. de Lille, 1831.

2534. **hochenwarthi** HOCHENWARTH, Act. Soc. Berl., vi
337, 1785; SMITH, C. 258. Arctic
Am.
syn. *divergens* FABRICIUS.

2535. **devergens** HÜBNER, Schmett. Eur., Noct., iii, 500,
1800; SMITH, C. 259. Col.,
Lab.
syn. *alticola* WALKER, Cat. Brit. Mus., xii, 912,
1857; SMITH, C. 258.

ABROSTOLA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 88, 1816.

2536. **urentis** GUENÉE, Spec. Gén., vi, 322, 1852; Atl.
SMITH, C. 246. States.
- *2537. **ovalis** GUENÉE, Spec. Gén., vi, 322, 1852; Atl.
SMITH, C. 246. States.

BEHRENSIA Grote.

GROTE, Can. Ent., vii, 70, 1875.

2538. **conchiformis** GROTE, Can. Ent., vii, 71, 1875; Cal.,
SMITH, C. 246. Oreg.

DIASTEMA Guenée.

GUENÉE, Spec. Gén., vi, 317, 1852; *Nepista* WALKER, *Plagiola* GROTE.

- *2539. **tigris** GUENÉE, Spec. Gén., vi, 317, 1852; SMITH, Fla.
C. 245.
syn. *lineata* WALKER.

OGDOCONTA Butler.

BUTLER, Ann. Mag. Nat. Hist., (6), vii, 462, 1891.

2540. **cinereola** GUENÉE, Spec. Gén., vi, 316, 1852; Atl.
SMITH, C. 245. States.
syn. *atomaria* WALKER.
- *2541. **carneola** SMITH, Trans. Am. Ent. Soc., xviii,
110, 1891; C. 246. N. Mex.

PÆCTES Hübner.

HÜBNER, Verz. bek. Schmett., 248, 1816; *Ingura* GUENÉE.

2542. **declinata** GROTE, Can. Ent., xi, 208, 1878; SMITH, Cal.,
C. 240. Col.
2543. **burseræ** DYAR, Proc. Ent. Soc. Wash., iv, 455,
1901. Fla.
2544. **delineata** GUENÉE, Spec. Gén., vi, 311, 1852; Atl.
SMITH, C. 240. States.

2545. **abrostoloides** GUENÉE, Spec. Gén., vi, 311, 1852; SMITH, C. 240. Atl. States.
- *2546. **flabella** GROTE, Can. Ent., xi, 208, 1879; SMITH, C. 240. Kans.
2547. **pygmæa** HÜBNER, Zutr. exot. Schmett., f. 109, 1818; SMITH, C. 240; GROTE, Abh. nat. Ver. Brem., xiv, 101, 1895. So. States.
syn. *fuscescens* WALKER, *abrostella* WALKER, *præpilata* GROTE.
2548. **oculatrix** GUENÉE, Spec. Gén., vi, 313, 1852; SMITH, C. 241. Atl. States.
- *2549. **cristatrix** GUENÉE, Spec. Gén., vi, 313, 1852; SMITH, C. 241. U. S.

EUTELIA Hübner.

HÜBNER, Verz. bek. Schmett., 259, 1816.

- *2550. **pulcherrima** GROTE, Proc. Ent. Soc. Phil., iv, 326, 1865; SMITH, C. 239. Atl. States.
syn. *dentifera* WALKER.

MARASMALUS Grote.

GROTE, Trans. Am. Ent. Soc., iv, 89, 1872.

2551. **inficita** WALKER, Cat. Brit. Mus., xxxiii, 818, 1865; SMITH, C. 239. Atl. States.
syn. *histrion* GROTE.
2552. **ventilator** GROTE, Trans. Am. Ent. Soc., iv, 89, 1872; SMITH, C. 239. Atl. States.

AMYNA Guenée.

GUENÉE, Spec. Gén., v, 406, 1852; *Chytoryza* GROTE.

2553. **orbica** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 216, 1874; SMITH, C. 244. Tex., Kans.
syn. *tecta* GROTE.

PTERÆTHOLIX Grote.

GROTE, Trans. Am. Ent. Soc., iv, 298, 1873.

2554. **bullula** GROTE, Trans. Am. Ent. Soc., iv, 299, 1873; SMITH, C. 244. So. States.

ALABAMA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 123, 1895.

2555. **argillacea** HÜBNER, Zutr. exot. Schmett., f. 399, 1820; SMITH, C. 243. So. Atl. States.
 syn. *xylina* SAY, *grandipuncta* GUENÉE,
bipunctina GUENÉE.

ANOMIS Hübner.

HÜBNER, Verz. bek. Schmett., 249, 1816.

2556. **erosa** HÜBNER, Zutr. exot. Schmett., f. 287, 1818; So. Atl. States.
 SMITH, C. 241.
2557. **exacta** HÜBNER, Samml. exot. Schmett., ii, 1810; So. Atl. States.
 SMITH, C. 241.
2558. **luridula** GUENÉE, Spec. Gén., vi, 401, 1852; Gulf States.
 SMITH, C. 242.
 syn. *derogata* WALKER, *terana* RILEY.
- *2559. **conducta** WALKER, Cat. Brit. Mus., xiii, 990, Tex.
 1857; SMITH, C. 242.
 syn. *hostia* HARVEY.

SCOLECOCAMPA Guenée.

GUENÉE, Spec. Gén., v, 131, 1852.

2560. **liburna** GEYER, Zutr. exot. Schmett., f. 963, 1823; Atl. States.
 SMITH, C. 191.
 syn. *ligni* GUENÉE.

EUCALYPTERA Morrison.

MORRISON, Ann. Lyc. Nat. Hist. N. Y., xi, 104, 1875.

- *2561. **obscura** GROTE, Can. Ent., xv, 7, 1883; SMITH, Ariz.
 C. 192.
2562. **bipuncta** MORRISON, Ann. Lyc. Nat. Hist. N. Y., Atl. Coast.
 xi, 104, 1875; SMITH, C. 191.
2563. **pectinicornis** SMITH, Jn. N. Y. Ent. Soc., vii, 232, Ariz.
 1899.
2564. **strigata** SMITH, Jn. N. Y. Ent. Soc., x, 45, 1902. Tex.

REABOTIS Smith.

Eyes naked; legs unarmed save for the usual spurs on tibiae, closely scaled; palpi long, curved, far exceeding the head, closely scaled, median joint a little thickened centrally, terminal joint slender, cylindrical; tongue moderate only; primaries trigonate, costa a little depressed, inner and outer margins rounded; secondaries, cell rather short, vein 5 as strong as the others and close to 4 on a short spur from the median.—JOHN B. SMITH.

- *2565. **immaculalis** HULST, Trans. Am. Ent. Soc., xiii, Mont.
154, 1886.

CILLA Grote.

GROTE, No. Am. Ent., i, 100, 1880.

2566. **distema** GROTE, No. Am. Ent., i, 100, 1880; Tex.
SMITH, C. 193.

AMOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 158, 1874.

2567. **fessa** GROTE, Bull. Buff. Soc., ii, 158, 1874; SMITH, Atl.
C. 193. States.

RIVULA Guenée.

GUENÉE, Spec. Gén., viii, 47, 1854.

2568. **propinqualis** GUENÉE, Spec. Gén., viii, 49, 1854; Atl.
SMITH, C. 384. States.

PSEUDORGYIA Harvey.

HARVEY, Bull. Buff. Soc., ii, 283, 1875.

2569. **versuta** HARVEY, Bull. Buff. Soc., ii, 284, 1875; Tex.
SMITH, C. 386.

- *2570. **russula** GROTE, Pap., iii, 75, 1883; SMITH, C. Ariz.
386.

DORYODES Guenée.

GUENÉE, Spec. Gén., x, 233, 1857.

2571. **bistriaris** GEYER, Zutr. exot. Schmett., f. 775, Atl.
1823; SMITH, C. 192. Coast.

syn. *acutaria* HERRICH-SCHAEFFER, *divisa*
WALKER, *promptella* WALKER.

2572. **spadaria** GUENÉE, Spec. Gén., x, 234, 1857; Fla.
SMITH, C. 192.

PHIPROSOPUS Grote.

GROTE, Trans. Am. Ent. Soc., iv, 90, 1872.

2573. **callitrichoides** GROTE, Trans. Am. Ent. Soc., iv, 90, 1872; SMITH, C. 192.
syn. *nastuaria* ZELLER.

Atl.
States.

ANEPISCHETOS Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 482, 1900.

2574. **bipartita** SMITH, Proc. U. S. Nat. Mus., xxii, 482, 1900.

Fla.

DIALLAGMA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 483, 1900.

2575. **lutea** SMITH, Proc. U. S. Nat. Mus., xxii, 483, 1900.

Fla.

PLEONECTYPTERA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 23, 1872.

2576. **pyralis** HÜBNER, Zutr. exot. Schmett., f. 127, 1818; SMITH, C. 362.
syn. *irrecta* WALKER, *floccalis* ZELLER.

So. Atl.
States.

2577. **geometralis** GROTE, Trans. Am. Ent. Soc., iv, 24 1872; SMITH, C. 362.

So.
States.

- *2578. **habitalis** WALKER, Cat. Brit. Mus., xvi, 39, 1859; SMITH, C. 363.
syn. *phalænalis* GROTE.

So.
States.

2579. **finitima** SMITH, Ins. Life, v, 333, 1893.

Cal.

2580. **incusalis** GROTE, Can. Ent., xiii, 133, 1881; SMITH, C. 363.

Col.,
Ariz.

- *2581. **subflavidalis** GROTE, Pap., i, 166, 1881; SMITH, C. 363.

Ariz.

- *2582. **historialis** GROTE, Can. Ent., xiv, 188, 1882; SMITH, C. 363.

Ariz.

2583. **immaculalis** HARVEY, Bull. Buf. Soc., iii, 13, 1875; SMITH, C. 363.

Tex.

- *2584. **obliqualis** HY. EDWARDS, Ent. Amer., ii, 171, 1886; SMITH, C. 363.

Tex.

REABOTIS Smith.

Eyes naked; legs unarmed save for the usual spurs on tibiae, close long, curved, far exceeding the head, closely scaled, median joint centrally, terminal joint slender, cylindrical; tongue moderate trigonate, costa a little depressed, inner and outer margins rounded, cell rather short, vein 5 as strong as the others and close to 4 on the median.—JOHN B. SMITH.

- *2565. *immaculalis* HULST, Trans. Am. Ent. Soc., xiii, 154, 1886.

CILLA Grote.

GROTE, No. Am. Ent., i, 100, 1880.

2566. *distema* GROTE, No. Am. Ent., i, 100, 1880; SMITH, C. 193.

AMOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 158, 1874.

2567. *fessa* GROTE, Bull. Buff. Soc., ii, 158, 1874; SMITH, C. 193.

RIVULA Guenée.

GUENÉE, Spec. Gén., viii, 47, 1854.

2568. *propinqualis* GUENÉE, Spec. Gén., viii, 49, 1854; SMITH, C. 384.

PSEUDORGYIA Harvey.

HARVEY, Bull. Buff. Soc., ii, 283, 1875.

2569. *versuta* HARVEY, Bull. Buff. Soc., ii, 284, 1875; SMITH, C. 386.

- *2570. *russula* GROTE, Pap., iii, 75, 1883; SMITH, C. 386.

DORYODES Guenée.

GUENÉE, Spec. Gén., x, 233, 1857.

2571. *bistriaris* GEYER, Zutr. exot. Schmett., f. 7, 1823; SMITH, C. 192.

syn. *acutaria* HERRICH-SCHAEFFER, *dispar* WALKER, *promptella* WALKER.

2572. *spadaria* GUENÉE, Spec. Gén., x, 234, 1857; SMITH, C. 192.

EUSTROTIA Hübner.

HÜBNER, Verz. bek. Schmett., 253, 1816; *Erastria* OCHSENHEIMER (not HÜBNER).

- *2600. **malaca** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 309. Pa.
2601. **albidula** GUENÉE, Spec. Gén., vi, 230, 1852; SMITH, C. 309. Atl. States.
- *2602. **secta** GROTE, Can. Ent., xi, 199, 1879; SMITH, C. 310. Mass.
2603. **flaviguttata** GROTE, Can. Ent., xiv, 187, 1882; SMITH, C. 310. Tex.
2604. **concinimacula** GUENÉE, Spec. Gén., vi, 238, 1852; SMITH, C. 310. Atl. States.
a. parvimacula GROTE, No. Am. Ent., i, 66, 1880.
2605. **synochitis** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 357, 1868; SMITH, C. 310. Atl. States.
2606. **musta** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 358, 1868; SMITH, C. 311. Atl. States.
2607. **muscoscula** GUENÉE, Spec. Gén., vi, 230, 1852; SMITH, C. 311. Atl. States.
- *2608. **retis** GROTE, Can. Ent., xi, 198, 1879; SMITH, C. 311. Pa.
- *2609. **distincta** GROTE, Pap., ii, 184, 1882; SMITH, C. 311. Ariz.
2610. **caduca** GROTE, Can. Ent., viii, 207, 1876; SMITH, C. 311. Atl. States.
2611. **propera** GROTE, Pap., ii, 132, 184, 1882; SMITH, C. 311. Ariz.
2612. **apicosa** HAWORTH, Lep. Brit., 261, 1812; SMITH, C. 311. Atl. States.
syn. nigrifula GUENÉE.
2613. **carneola** GUENÉE, Spec. Gén., vi, 228, 1852; SMITH, C. 312. Atl. States.
syn. biplaga WALKER.
- *2614. **strigularia** SMITH, Jn. N. Y. Ent. Soc., viii, 173, 1900. Fla.
- *2615. **dividua** GROTE, No. Am. Ent., i, 46, 1880; SMITH, C. 312. Tex.
2616. **æria** GROTE, Pap., i, 11, 1881; SMITH, C. 312. Wis., Ala.

ANNAPHILA Grote.

GROTE, Bull. Buff. Soc., i, 149, 1873.

- *2585. **casta** HY. EDWARDS, Ent. Amer., iv, 114, 1890; SMITH, C. 296. Oreg.
2586. **superba** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 139, 1875; SMITH, C. 296. Cal.
- *2587. **divinula** GROTE, Bull. Geol. Surv. Terr., iv, 183, 1878; SMITH, C. 296. Cal.
2588. **diva** GROTE, Bull. Buff. Soc., i, 150, 1873; SMITH, C. 296. Cal.
- *2589. **pustulata** HY. EDWARDS, Pap., i, 23, 1881; SMITH, C. 297. Ariz.
- *2590. **domina** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 138, 1875; SMITH, C. 297. Cal.
- *2591. **germana** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 138, 1875; SMITH, C. 296. Cal.
2592. **decia** GROTE, Can. Ent., vii, 47, 1875; SMITH, C. 296. Cal.
- syn. *amicula* HY. EDWARDS.
- *2593. **depicta** GROTE, Bull. Buff. Soc., i, 159, 1873; SMITH, C. 296. Cal.
2594. **salicis** HY. EDWARDS, Pap., i, 23, 1881; SMITH, C. 297. Cal.
- syn. *arvalis* HY. EDWARDS.
- *2595. **lithosina** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 137, 1875; SMITH, C. 297. Cal.
2596. **mera** HARVEY, Bull. Buff. Soc., ii, 277, 1875; SMITH, C. 297. Cal.
2597. **danistica** GROTE, Bull. Buff. Soc., i, 151, 1873; SMITH, C. 297. Nev., Cal.

INCITA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 112, 1895.

2598. **aurantiaca** HY. EDWARDS, Pap., i, 23, 1881; SMITH, C. 297. Cal.

TRICHOTARACHE Grote.

GROTE, Can. Ent., vii, 48, 1875.

- *2599. **assimilis** GROTE, Can. Ent., vii, 48, 1875; SMITH, C. 298. Cal.

EUSTROTIA Hübner.

HÜBNER, Verz. bek. Schmett., 253, 1816; *Erastria* OCHSENHEIMER (not HÜBNER).

- *2600. **malaca** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 309. Pa.
2601. **albidula** GUENÉE, Spec. Gén., vi, 230, 1852; SMITH, C. 309. Atl. States.
- *2602. **secta** GROTE, Can. Ent., xi, 199, 1879; SMITH, C. 310. Mass.
2603. **flaviguttata** GROTE, Can. Ent., xiv, 187, 1882; SMITH, C. 310. Tex.
2604. **concinimacula** GUENÉE, Spec. Gén., vi, 238, 1852; SMITH, C. 310. Atl. States.
a. parvimacula GROTE, No. Am. Ent., i, 66, 1880.
2605. **synochitis** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 357, 1868; SMITH, C. 310. Atl. States.
2606. **musta** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 358, 1868; SMITH, C. 311. Atl. States.
2607. **muscoscula** GUENÉE, Spec. Gén., vi, 230, 1852; SMITH, C. 311. Atl. States.
- *2608. **retis** GROTE, Can. Ent., xi, 198, 1879; SMITH, C. 311. Pa.
- *2609. **distincta** GROTE, Pap., ii, 184, 1882; SMITH, C. 311. Ariz.
2610. **caduca** GROTE, Can. Ent., viii, 207, 1876; SMITH, C. 311. Atl. States.
2611. **propera** GROTE, Pap., ii, 132, 184, 1882; SMITH, C. 311. Ariz.
2612. **apicosa** HAWORTH, Lep. Brit., 261, 1812; SMITH, C. 311. Atl. States.
syn. nigritula GUENÉE.
2613. **carneola** GUENÉE, Spec. Gén., vi, 228, 1852; SMITH, C. 312. Atl. States.
syn. biplaga WALKER.
- *2614. **strigularia** SMITH, Jn. N. Y. Ent. Soc., viii, 173, 1900. Fla.
- *2615. **dividua** GROTE, No. Am. Ent., i, 46, 1880; SMITH, C. 312. Tex.
2616. **æria** GROTE, Pap., i, 11, 1881; SMITH, C. 312. Wis., Ala.

2617. **includens** WALKER, Cat. Brit. Mus., xii, 813, 1857; SMITH, C. 312. No. Atl. States.
 syn. *norma* MORRISON, *pentia* MORRISON, *mariae* GROTE.

GALGULA Guenée.

GUENÉE, Spec. Gén., vi, 239, 1852.

2618. **hepara** GUENÉE, Spec. Gén., vi, 239, 1852; SMITH, C. 314. Atl. States.
 syn. *externa* WALKER.
a. partita GUENÉE, Spec. Gén., vi, 239, 1852.
 syn. *vesca* MORRISON, *subpartita* GUENÉE.

ESCARIA Grote.

GROTE, Pap., ii, 186, 1882.

2619. **clauda** GROTE, Pap., ii, 186, 1882; SMITH, C. 302. Ariz.

AZENIA Grote.

GROTE, Pap., ii, 186, 1882.

2620. **implora** GROTE, Pap., ii, 186, 1882; SMITH, C. 302. Ariz.
 *2621. **edentata** GROTE, Can. Ent., xv, 25, 1883; SMITH, C. 302. Ariz.

LITHACODIA Hübner.

HÜBNER, Verz. bek. Schmett., 205, 1816.

2622. **bellicula** HÜBNER, Zutr. exot. Schmett., f. 85, 1818; SMITH, C. 309. Atl. States, Col.

PROTHYMIA Hübner.

HÜBNER, Verz. bek. Schmett., 282, 1816.

2623. **rhodarialis** WALKER, Cat. Brit. Mus., xix, 860, 1859; SMITH, C. 307. Atl. States.
 syn. *coccineifascia* GROTE.
 2624. **semipurpurea** WALKER, Cat. Brit. Mus., xxxiii, 803, 1865; SMITH, C. 307. Atl. States.
 syn. *confinisalis* WALKER, *rosalba* GROTE.
 *2625. **plana** GROTE, Pap., ii, 184, 1882; SMITH, C. 307. Ariz.
 2626. **orgyiae** GROTE, Trans. Am. Ent. Soc., v, 116, 1875; SMITH, C. 307. Tex.
 syn. *subolivacea* HARVEY.

EXYRA Grote.

GROTE, Check List Noct., 26, 1875.

2627. **semicrocea** GUENÉE, Spec. Gén., vi, 241, 1852; SMITH, C. 306. Atl. States.
2628. **ridingsii** RILEY, Trans. St. Louis Acad. Sci., iii, 240, 1874; SMITH, C. 306. So. States.
syn. *nigrocaput* MORRISON.
- *2629. **fax** GROTE, Trans. Am. Ent. Soc., iv, 295, 1873; SMITH, C. 306. So. States.
2630. **rolandiana** GROTE, Psyche, ii, 38, 1877; SMITH, C. 306. Atl. States.

XANTHOPTERA Guenée.

GUENÉE, Spec. Gén., vi, 240, 1852.

2631. **nigrofimbria** GUENÉE, Spec. Gén., vi, 241, 1852; SMITH, C. 303. So. Atl. States.
- *2632. **clausula** GROTE, Pap., ii, 186, 1882; SMITH, C. 303. Ariz.
2633. **semiflava** GUENÉE, Spec. Gén., vi, 241, 1852; SMITH, C. 303. So. States.
- *2634. **subcitrinalis** HULST, Trans. Am. Ent. Soc., xiii, 157, 1886; SMITH, C. 304. Ariz.

THALPOCHARES Lederer.

LEDERER, Verh. zool.-bot. Ges. Wien, iv, 368, 1853.

- *2635. **ætheria** GROTE, No. Am. Ent., i, 47, 1879; SMITH, C. 313. Fla.

EUMESTLETA Butler.

BUTLER, Ent., xxv, 189, 1892.

2636. **flammicincta** WALKER, Cat. Brit. Mus., xxxiii, 801, 1865; SMITH, C. 313. Tex., Fla.
syn. *patula* MORRISON, *patruelis* GROTE.
2637. **carmelita** MORRISON, Proc. Acad. Nat. Sci. Phil., 434, 1875; SMITH, C. 313. Tex., Miss., Cal.
2638. **mundula** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 460, 1872; SMITH, C. 313. Tex.
2639. **daria** DRUCE, Biol. Cent. Am., Lep. Het., ii, 497, 1898; SMITH, Proc. U. S. Nat. Mus., xxii, 490, 1900. Ariz., Mex.
- *2640. **orba** GROTE, Can. Ent., ix, 68, 1877; SMITH, C. 314. Ala

*2641. **fortunata** GROTE, Can. Ent., xiv, 171, 1882; Ariz.
SMITH, C. 314.

*2642. **perita** GROTE, Can. Ent., xiv, 171, 1882; SMITH, Ariz.
C. 314.

GYROS Hy. Edwards.

HY. EDWARDS, Pap., i, 177, 1881.

*2643. **muirii** HY. EDWARDS, Pap., i, 22, 117, 1881; Cal.
SMITH, C. 315.

TRIPUDIA Grote.

GROTE, Can. Ent., ix, 70, 1877.

2644. **flavofasciata** GROTE, Can. Ent., ix, 70, 1877; Rocky Mts.,
SMITH, C. 314. Tex., Ala.

syn. *versutus* HY. EDWARDS.

2645. **quadrifera** ZELLER, Verh. zool.-bot. Ges. Wien, Tex.,
xxiv, 425, 1874; SMITH, C. 315. Mo., Mex.

2646. **limbata** HY. EDWARDS, Pap., i, 22, 1881; SMITH, Tex.,
C. 315. Mex.

2647. **opipara** HY. EDWARDS, Pap., i, 117, 1881; SMITH, Tex.
C. 315.

2648. **luda** DRUCE, Biol. Cent. Am., Lep. Het., ii, 491, Ariz.,
1898; SMITH, Proc. U. S. Nat. Mus., xxii, 489, Mex.
1900.

*2649. **basicinerea** GROTE, Bull. Geol. Surv. Terr., vi, Ariz.
563, 1882; SMITH, C. 315.

2650. **lixivia** GROTE, Can. Ent., xiv, 173, 1882; SMITH, Ariz.
C. 315.

2651. **luxuriosa** SMITH, Proc. U. S. Nat. Mus., xxii, 490, Ariz.
1900.

2652. **balteata** SMITH, Proc. U. S. Nat. Mus., xxii, 489, Ariz.
1900.

METOPONIA Duponchel.

DUPONCHEL, Cat. Lep. Méth. Eur., iii, 45, 1844.

2653. **obtusa** HERRICH-SCHAEFFER, Samml. ausser. So. Atl.
Schmett., f. 210, 1844; SMITH, C. 316. States.

2654. **perflava** HARVEY, Bull. Buff. Soc., iii, 11, 1875; Tex.
SMITH, C. 316.

2655. **macula** SMITH, Trans. Am. Ent. Soc., xviii, 132, N. Mex.
1891; C. 316.

CHAMYRIS Guenée.

GUENÉE, Spec. Gén., vi, 225, 1852.

2656. **cerintha** TREITSCHKE, Schmett. Eur., v, 240, 1825;
SMITH, C. 301.

Atl.
States.

TORNACONTIA Smith.

SMITH, Trans. Am. Ent. Soc., xxvii, 55, 1900.

2657. **sutrix** GROTE, Can. Ent., xii, 154, 1880; SMITH,
C. 299.

Rocky
Mts.

2658. **megocula** SMITH, Trans. Am. Ent. Soc., xxvii, 58,
1900.

So.
Cal.

THERASEA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 118, 1895; *Conacontia* SMITH, Trans. Am. Ent.
Soc., xxvii, 55, 1900.

2659. **flavicosta** SMITH, Trans. Am. Ent. Soc., xxvii, 58,
1900.

Rocky
Mts.

2660. **angustipennis** GROTE, Proc. Acad. Nat. Sci. Phil.,
426, 1875; SMITH, C. 299.

Rocky Mts.,
Cal., Tex.

TARACHE Hübner.

HÜBNER, Verz. bek. Schmett., 261, 1816.

2661. **terminimacula** GROTE, Bull. Buff. Soc., i, 153,
1873; SMITH, C. 301.

Atl.
States.

2662. **delecta** WALKER, Cat. Brit. Mus., xii, 799, 1857;
SMITH, C. 301.

Atl.
States.syn. *metallica* GROTE.

2663. **flavipennis** GROTE, Bull. Buff. Soc., i, 153, 1873;
SMITH, C. 298.

Pac.
States.

2664. **abdominalis** GROTE, Can. Ent., ix, 157, 1877;
SMITH, C. 298.

Tex.,
Kans.

2665. **lactipennis** HARVEY, Bull. Buff. Soc., iii, 10, 1875;
SMITH, C. 300.

Tex.

2666. **major** SMITH, Trans. Am. Ent. Soc., xxvii, 64,
1900.

Col.

2667. **expolita** GROTE, Pap., ii, 131, 1882; SMITH, C. 298.

Ariz.

2668. **lan eolata** GROTE, Can. Ent., xi, 198, 1879; SMITH,
C. 299.

Tex.

- *2669. **gonella** STRECKER, Lep. Rhop. Het., suppl. 1, 11,
1898; SMITH, Trans. Am. Ent. Soc., xxvii, 66,
1900.

Ariz.,
N. Mex.

- *2670. **sedata** HY. EDWARDS, Pap., i, 23, 1881; SMITH, C. 300. Ariz., Tex.
2671. **nuicola** SMITH, Trans. Am. Ent. Soc., xxvii, 67, 1900. Tex.
2672. **lucasi** SMITH, Trans. Am. Ent. Soc., xxvii, 68, 1900. Cal.
2673. **biplaga** GUENÉE, Spec. Gén., vi, 218, 1852; SMITH, C. 298. So. States.
2674. **aprica** HÜBNER, Schmett. Eur., Noct., f. 371, 1803; SMITH, C. 298. So. States.
- *2675. **areli** STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Rocky Mts.
2676. **erastrioides** GUENÉE, Spec. Gén., vi, 218, 1852; SMITH, C. 299. Atl. States.
2677. **quadriplaga** SMITH, Trans. Am. Ent. Soc., xxvii, 72, 1900. Tex., N. Mex.
2678. **schwarzi** SMITH, Trans. Am. Ent. Soc., xxvii, 73, 1900. Ariz.
2679. **arida** SMITH, Trans. Am. Ent. Soc., xxvii, 73, 1900. Col., Ariz.
2680. **coquilletti** SMITH, Trans. Am. Ent. Soc., xxvii, 74, 1900. Cal.
2681. **neocula** SMITH, Trans. Am. Ent. Soc., xxvii, 75, 1900. N. Mex.
2682. **cretata** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 181, 1868; SMITH, C. 300. Tex., Col.
2683. **behrii** SMITH, Trans. Am. Ent. Soc., xxvii, 76, 1900. Cal.
2684. **elegantula** HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 300. Rocky Mts.
syn. *arizonæ* HY. EDWARDS, *seminivialis* HULST.
2685. **virginalis** GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 300. Ariz.
2686. **binocula** GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 300. Ariz., Tex.
2687. **meskei** SMITH, Trans. Am. Ent. Soc., xxvii, 79, 1900. Tex.
2688. **tenuicola** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 218, 1874; SMITH, C. 299. Tex.
2689. **libedis** SMITH, Trans. Am. Ent. Soc., xxvii, 80, 1900. Col., N. Mex.

2690. **neomexicana** SMITH, Trans. Am. Ent. Soc., xxvii, 81, 1900. Tex.
2691. **candefacta** HÜBNER, Zutr. exot. Schmett., f. 587, 1823; SMITH, C. 299. Atl. States.
syn. *debilis* WALKER.
- *2692. **ardoris** HÜBNER, Zutr. exot. Schmett., f. 551, 1823; SMITH, C. 301. Ga.
- *2693. **niveicollis** SMITH, Jn. N. Y. Ent. Soc., x, 51, 1902. Cal.
- *2694. **semiatra** SMITH, Jn. N. Y. Ent. Soc., x, 52, 1902. Ariz.
- *2695. **tenuescens** SMITH, Jn. N. Y. Ent. Soc., x, 53, 1902. Fla.

FRUVA Grote.

GROTE, Can. Ent., ix, 69, 1877.

2696. **tortricina** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 461, 1872; SMITH, C. 306. Tex., Kans.
syn. *fasciatella* GROTE, *obsoleta* GROTE; SMITH, C. 302; *inornata* GROTE.
- *2697. **acerba** HY. EDWARDS, Pap., i, 24, 1881; SMITH, C. 302. Cal.
- *2698. **modesta** HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 302. Nev.
2699. **apicella** GROTE, Trans. Am. Ent. Soc., iv, 21, 1872; SMITH, C. 302. So. States.
syn. *truncatula* ZELLER, *accepta* HY. EDWARDS.
- *2700. **parvula** WALKER, Cat. Brit. Mus., xxxiii, 779, 1865; SMITH, C. 303. Ariz.
syn. *georgica* GROTE.
- *2701. **deleta** HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 303. Nev., Can.

SPRAGUEIA Grote.

GROTE, Check List Noct., 25, 1875.

2702. **onagrus** GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 304. So. States.
2703. **leo** GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 304. So. States.
- *2704. **magnifica** GROTE, Pap., ii, 183, 1882; SMITH, C. 304. Ariz.
2705. **plumbifimbriata** GROTE, Can. Ent., ix, 68, 1877; SMITH, C. 304. Tex.
- *2706. **obatra** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 124, 1875; SMITH, C. 304. So. States.

2707. **dama** GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 305. So. States.
syn. trifariana WALKER.
- *2708. **transmutata** WALKER, Cat. Brit. Mus., xxxiii, 776, 1865; SMITH, C. 305. Fla.
syn. pardalis GROTE.
2709. **funeralis** GROTE, Pap., i, 158, 1881; SMITH, C. 305. Ariz.
2710. **sordida** GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 305. Tex.
2711. **guttata** GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 305. Tex.

CALLOPISTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 216, 1816.

2712. **floridensis** GUENÉE, Spec. Gén., vi, 192, 1852; SMITH, C. 309. Fla.
- *2713. **strena** GROTE, Abh. nat. Ver. Brem., xiv, 119, 1895. Ariz.

METATHORASA Moore.

MOORE, Proc. Zool. Soc. Lond., 374, 1881.

- *2714. **argenteilinea** WALKER, Cat. Brit. Mus., xii, 863, 1857; SMITH, C. 308. So. Atl. States.
2715. **monitifera** GUENÉE, Spec. Gén., vi, 295, 1852; SMITH, C. 308. Atl. States.

EUHERRICHIA Grote.

GROTE, Pap., ii, 122, 1882.

2716. **mollissima** GUENÉE, Spec. Gén., vi, 294, 1852; SMITH, C. 308. Atl. States.
syn. rubicunda WALKER.
- *2717. **granitosa** GUENÉE, Spec. Gén., vi, 195, 1852; SMITH, C. 308. So. States.
- *2718. **cervina** Hy. EDWARDS, Ent. Amer., vi, 114, 1890; SMITH, C. 308. Cal., Col.

CYDOSIA Westwood.

WESTWOOD, Nat. Lib. Exot. Moths, xxxvii, 193, 1841; SMITH, Proc. U. S. Nat. Mus., xi, 187, 1888; *Penthetria* Hy. EDWARDS, Pap., i, 80, 1881; *Tantura* KIRBY, Cat. Lep. Het., i, 86, 1892.

2719. **imitella** STRETCH, Zyg. Bomb. No. Am., i, 163, 1873; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 154, 1893; DRUCE, Biol. Cent. Am., Lep. Het., ii, 402, 1897. So. States.

2720. **aurivitta** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 186, 1868; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 154, 1893. So. States.

2721. **majuscula** Hy. EDWARDS, Pap., i, 80, 1881; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 113, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. So. States.

CERATHOSIA Smith.

SMITH, Ent. Amer., iii, 79, 1887.

2722. **tricolor** SMITH, Ent. Amer., iii, 79, 1887; GROTE, Ent. Amer., iv, 121, 1888; SMITH, Ent. Amer., iv, 122, 1888; GROTE, Can. Ent., xxi, 37, 1889; SMITH, Ent. Amer., v, 8, 119, 1889; HULST, Ent. Amer., v, 118, 1889; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 155, 1893; DYAR, Psyche, viii, 154, 1897. Tex.

HORMOSCHISTA Möschler.

MÖSCHLER, Abh. Senck. Ges., 221, 1890.

2723. **pagenstecheri** MÖSCHLER, Abh. Senck. Ges., 221, 1890. Ala., Porto Rico.

PHALÆNOSTOLA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 302, 1873.

2724. **larentioides** GROTE, Trans. Am. Ent. Soc., iv, 302, 1873; SMITH, C. 377. So. Atl. States.
a. citima GROTE, Trans. Am. Ent. Soc., iv, 303, 1873.

PANGRAPTA Hübner.

HÜBNER, Verz. bek. Schmett., 343, 1816.

2725. **decoralis** HÜBNER, Zutr. exot. Schmett., f. 93, 1818; SMITH, C. 377. Atl. States.
syn. geometroides GUENÉE, *epionoides* GUENÉE, *elegantalis* FITCH, *recusans* WALKER.

SYLECTRA Hübner.

HÜBNER, Verz. bek. Schmett., 341, 1816.

2726. **erycata** CRAMER, Pap. Exot., pl. 287, f. D, 1782; SMITH, C. 376. Fla., So. Am.
syn. mirandalis HÜBNER.

HYAMIA Walker.

WALKER, Cat. Brit. Mus., xvi, 234, 1858; *Sparguloma* GROTE.

2727. **sexpunctata** GROTE, Trans. Am. Ent. Soc., iv, 300, 1873; DYAR, Jn. N. Y. Ent. Soc., iv, 145, 1896. Atl. States.
2728. **perditalis** WALKER, Cat. Brit. Mus., xvi, 234, 1858; SMITH, C. 346. Atl. States.
syn. *semilineata* WALKER, *umbrifascia* GROTE.
- *2729. **punctipennis** GROTE, Can. Ent., xv, 122, 1883; SMITH, C. 376. Ariz.

MELANOMMA Grote.

GROTE, Trans. Am. Ent. Soc., v, 117, 1875; HULST, Trans. Am. Ent. Soc., xxiii, 294, 1896.

2730. **auricinctaria** GROTE, Trans. Am. Ent. Soc., v, 117, 1875; Bull. Geol. Surv. Ter., iv, 674, 1878; DYAR, Can. Ent., xxx, 257, 1898. Atl. States.

ARGILLOPHORA Grote.

GROTE, Bull. Buff. Soc., i, 124, 1873; SMITH, C. 375.

- *2731. **furcilla** GROTE, Bull. Buff. Soc., i, 124, 1873; SMITH, C. 375. Ala.

PARORA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 49 1900.

2732. **texana** SMITH, Proc. U. S. Nat. Mus., xxii, 491, 1900. Tex.

HOMOPYRALIS Grote.

GROTE, Proc. Acad. Nat. Soc. Phil., 213, 1874.

2733. **discalis** GROTE, Can. Ent., viii, 206, 1876; SMITH, C. 374. Atl. States.
2734. **contracta** WALKER, Can. Nat. Geol., v, 258, 1869; SMITH, C. 374. Atl. States.
syn. *zonata* WALKER, *tactus* GROTE.
2735. **tantillus** GROTE, Proc. Acad. Nat. Sci. Phil., 214, 1874; SMITH, C. 375. Atl. States.
2736. **monodia** DYAR (like *tantillus*, but blacker, nearly uniform, the lines fine, white, punctate). So. Atl. States.
2737. **miserulata** GROTE, Can. Ent., xiv, 185, 1882; SMITH, C. 375. N. Mex.

AGASSIZIA Behr.

BEHR, Trans. Am. Ent. Soc., iii, 23, 1870.

- *2738. **urbicola** BEHR, Trans. Am. Ent. Soc., iii, 23, 1870; SMITH, C. 366. Cal.

ISOGONA Guenée.

GUENÉE, Spec. Gén., vii, 322, 1852; *Eutoreuma* GROTE.

- *2739. **natatrix** GUENÉE, Spec. Gén., vii, 323, 1852; SMITH, C. 365. So. Atl. States.
syn. *tenuis* GROTE, Trans. Am. Ent. Soc., iv, 22, 1872.

HYPBOROPHA Hübner.

HÜBNER, Verz. bek. Schmett., 249, 1816.

2740. **monilis** FABRICIUS, Spec. Ins., ii, 219, 1782; SMITH, C. 260. So. States.
2741. **hormos** HÜBNER, Zutr. exot. Schmett., f. 27, 1818; SMITH, C. 260. So. Atl. States.

HYBLÆA Fabricius.

FABRICIUS, Ent. Syst., iii, 2, 127, 1793.

2742. **puera** CRAMER, Pap. Exot., pl. 103, f. D. 1779; SMITH, C. 316. Fla., Antilles.
syn. *saga* FABRICIUS, *mirificum* STRECKER.

Subfamily CATOCALINÆ.

CISSURA Walker.

WALKER, Cat. Brit. Mus., ix, 153, 1856; *Synedroida* HY. EDWARDS.

2743. **spadix** CRAMER, Pap. Exot., pl. 275, f. F', 1780; SMITH, C. 320. Tex.
syn. *vegeta* MORRISON; SMITH, C. 207, 320.
*2744. **mucronata** GROTE, Can. Ent., xv, 121, 1883; SMITH, C. 321. Ariz.
2745. **inepta** HY. EDWARDS, Pap., i, 27, 1881; SMITH, C. 321. Col.
syn. *morbosa* HY. EDWARDS.
*2746. **biformata** HY. EDWARDS, Pac. Coast Lep., no. 29, 9, 1878; SMITH, C. 321. Cal.
2747. **scropulosa** HY. EDWARDS, Pac. Coast Lep., no. 29, 9, 1878; SMITH, C. 321. Col., Cal.

2748. **insperata** GROTE, Can. Ent., xiv, 176, 1882; Ariz.
SMITH, C. 321.
2749. **ægrotata** HY. EDWARDS, Pap., iv, 47, 1884; Ariz.
SMITH, C. 321.
2750. **sabulosa** HY. EDWARDS, Pap., i, 26, 1881; SMITH, Col.
C. 321.
- *2751. **cervina** HY. EDWARDS, Pap., ii, 129, 1882; SMITH, Ariz.
C. 320.
2752. **subtermina** SMITH, Proc. U. S. Nat. Mus., xxii, Cal.
492, 1900.

ULOSYNEDA Smith.

Differs from *Cissura* by the plump woolly body, woolly thoracic vestiture, short weak legs, shorter palpi, narrower primaries and pectinated male antennæ; allied with *Carnurgia*.—JOHN B. SMITH.

2753. **valens** HY. EDWARDS, Pap., i, 119, 1881; SMITH, Utah,
C. 321. Col.

DRASTERIA Hübner.

HÜBNER, Verz. bek. Schmett., 280, 1816.

2754. **erecta** CRAMER, Pap. Exot., pl. 275, f. E, 1782; Atl. States,
SMITH, C. 316. Col.
- syn. *sobria* WALKER, *narrata* WALKER, *patibilis*
WALKER, *agricola* GROTE & ROBINSON, *mundula* GROTE & ROBINSON.
2755. **crassiuscula** HAWORTH, Lep. Brit., 259, 1810; Atl. States,
SMITH, C. 317. Col.
- syn. *erichto* GUENÉE.
- a. **ochrea** GROTE, Bull. Buff. Soc., i, 155, 1873.
- b. **distincta** NEUMOEGEN, Pap., iii, 143, 1883.
2756. **cærulea** GROTE, Bull. Buff. Soc., i, 155, 1873; Pac.
SMITH, C. 318. States.
- syn. *aquamarina* FELDER.
2757. **conspicua** SMITH, Can. Ent., xxxii, 224, 1900. Alberta.

CÆNURGIA Walker.

WALKER, Cat. Brit. Mus., xiv, 1491, 1858; *Litorea* GROTE.

2758. **convalescens** GUENÉE, Spec. Gén., vii, 289, 1852; Atl.
SMITH, C. 318. States.
- syn. *socors* WALKER, *purgata* WALKER.
2759. **adversa** GROTE, Can. Ent., vii, 49, 1875; SMITH, Cal.
C. 318.

EUCLIDIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 96, 1816.

2760. *cuspidea* HÜBNER, Zutr. exot. Schmett., f. 69, 1818; SMITH, C. 319. Atl. States.
- *2761. *annexa* HY. EDWARDS, Ent. Amer., vi, 115, 1890; SMITH, C. 319. Oreg.
2762. *intercalcaris* GROTE, Bull. Geol. Surv. Terr., vi, 563, 1882; SMITH, C. 319. N. Mex.
2763. *diagonalis* DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. N. Mex.

PANULA Guenée.

GUENÉE, Spec. Gén., vii, 59, 1852.

2764. *inconstans* GUENÉE, Spec. Gén., vii, 59, 1852; SMITH, C. 320. So. States.
- *2765. *remigipila* GUENÉE, Spec. Gén., vii, 60, 1852; SMITH, C. 320. Fla.?

MELIOPOTIS Hübner.

HÜBNER, Verz. bek. Schmett., 260, 1816.

2766. *fasciolaris* HÜBNER, Zutr. exot. Schmett., f. 443, 1823; SMITH, C. 326. So. States? Antilles.
syn. *lunearis* GUENÉE.
2767. *nigrescens* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 20, 1866; SMITH, C. 326. Tex., Col.
syn. *ochreipennis* HARVEY.
2768. *pallescens* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 21, 1866; SMITH, C. 327. Tex., Col.
2769. *limbolaris* GEYER, Zutr. exot. Schmett., f. 689, 1825; SMITH, C. 327. Atl. States.
syn. *grandirena* HAWORTH.
- *2770. *tenella* HY. EDWARDS, Pap., i, 26, 1881; SMITH, C. 328. Tex.
- *2771. *stygialis* GROTE, Bull. Geol. Surv., iv, 184, 1878; SMITH, C. 328. Ill., Tex.
- *2772. *versabilis* HARVEY, Can. Ent., ix, 94, 1877; SMITH, C. 328. Tex.
2773. *perlæta* HY. EDWARDS, Pap., ii, 14, 1882; SMITH, C. 327. Ariz.

2774. **jucunda** HÜBNER, Zutr. exot. Schmett., f. 81. Atl. States,
1818; SMITH, C. 328. Col.

syn. *cinis* GUENÉE, *agrotipennis* HARVEY,
hadeniformis BEHR, Trans. Am. Ent. Soc.,
iii, 25, 1870; SMITH, C. 327.

2775. **sinualis** HARVEY, Can. Ent., ix, 94, 1877; SMITH, Tex.
C. 328.

HYPOGRAMMA Guenée.

GUENÉE, Spec. Gén., vii, 34, 1852.

- *2776. **andromedæ** GUENÉE, Spec. Gén., vii, 84, 1852; Ga.
SMITH, C. 328.

CIRRHOLINA Grote.

GROTE, Trans. Am. Ent. Soc., v, 117, 1875.

2777. **deducta** MORRISON, Proc. Bost. Soc. Nat. Hist., Tex.
xvii, 220, 1874; SMITH, C. 325.

syn. *pavitensis* MORRISON.

2778. **mexicana** BEHR, Trans. Am. Ent. Soc., iii, 27, S.-W.
1870; SMITH, C. 325. U. S.

syn. *incandescens* GROTE.

a. vulpina HY. EDWARDS, Pap., ii, 14, 1882.

- *2779. **perfecta** HY. EDWARDS, Pap., iv, 46, 1884; SMITH, Ariz.
C. 326.

- *2780. **tetrica** HY. EDWARDS, Pac. Coast Lep., no. 29, Cal.
10, 1878; SMITH, C. 326.

SYNEDA Guenée.

GUENÉE, Spec. Gén., vii, 71, 1852.

2781. **graphica** HÜBNER, Zutr. exot. Schmett., f. 11. Atl.
1818; SMITH, C. 322. States.

syn. *capticola* WALKER.

a. media MORRISON, Proc. Bost. Soc. Nat. Hist.,
xviii, 125, 1875.

2782. **divergens** BEHR, Trans. Am. Ent. Soc., iii, 27, Cal.
1870; SMITH, C. 323.

- *2783. **petricola** WALKER, Cat. Brit. Mus., xiv, 1462, Rocky
1858; SMITH, C. 323. Mts.

2784. **alleni** GROTE, Can. Ent., ix, 215, 1877; SMITH, C. No. Atl.
323. States, Col.

syn. *saxea* HY. EDWARDS.

2785. **adumbrata** BEHR, Trans. Am. Ent. Soc., iii, 27, Cal.,
1870; SMITH, C. 323. Rocky Mts

2786. **seposita** HY. EDWARDS, Pap., i, 25, 1881; SMITH, C. 323. Col., Utah.
2787. **socia** BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 323. Cal., Col.
2788. **ochracea** BEHR, Trans. Am. Ent. Soc., iii, 25, 1870; SMITH, C. 324. Cal.
- *2789. **mirifica** HY. EDWARDS, Pac. Coast Lep., no. 29, 8, 1878; SMITH, C. 324. Nev.
2790. **tejonica** BEHR, Trans. Am. Ent. Soc., iii, 26, 1870; SMITH, C. 324. Cal., Col.
2791. **ingeniculata** MORRISON, Proc. Acad. Nat. Sci. Phil., 435, 1875; SMITH, C. 325. Tex.
2792. **hastingsii** HY. EDWARDS, Pac. Coast Lep., no. 29, 8, 1878; SMITH, C. 324. Oreg., Cal.
a. perpallida HY. EDWARDS, Pap., i, 25, 1881.
- *2793. **maculosa** BEHR, Trans. Am. Ent. Soc., iii, 26, 1870; SMITH, C. 324. Cal.
- *2794. **faceta** HY. EDWARDS, Pap., i, 119, 1881; SMITH, C. 324. Fla.
2795. **howlandii** GROTE, Proc. Ent. Soc. Phil., iii, 533, 1864; SMITH, C. 324. Rocky Mts., Cal.
syn. stretchii BEHR.
2796. **edwardsii** BEHR, Trans. Am. Ent. Soc., iii, 28, 1870; SMITH, C. 325. Cal.
- *2797. **nubicola** BEHR, Trans. Am. Ent. Soc., iii, 25, 1870; SMITH, C. 324. Cal.
- *2798. **perplexa** HY. EDWARDS, Pap., iv, 47, 1884; SMITH, C. 325. Ariz.
- *2799. **hudsonica** GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 494, 1865; SMITH, C. 322. Can., Mont.
- *2800. **athabasca** NEUMOEGEN, Pap., iii, 143, 1883; SMITH, C. 322. B. C.
- *2801. **occulta** HY. EDWARDS, Pap., i, 118, 1881; SMITH, C. 323. Tex.
- *2802. **fumosa** STRECKER, Lep. Rhop. Het., suppl. 1, 12, 1898. Ariz.
- *2803. **flavofasciata** STRECKER, Lep. Rhop. Het., suppl. 1, 12, 1898. Ariz.
- *2804. **nigromarginata** STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Ariz.
- *2805. **decepta** STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Col.

CATOCALA Schrank.

SCHRANK, Faun. Boica, ii, 2, 158, 1802.

2806. **epione** DRURY, Ill. Exot. Ent., i, 46, 1773; SMITH, C. 347. Atl. States.
2807. **sappho** STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 352. So. States, Ill.
2808. **agrippina** STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 352. So. States.
- *2809. **subviridis** HARVEY, Can. Ent., ix, 193, 1877; SMITH, C. 353. Tex.
2810. **lacrymosa** GUENÉE, Spec. Gén., vii, 93, 1852; SMITH, C. 352. Atl. States.
- a. ulalume* STRECKER, Lep. Rhop. Het., 132, 1877; SMITH, C. 352.
- b. paulina* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.
- c. emilia* HY. EDWARDS, Pap., i, 117, 1881.
- d. evelina* FRENCH, Pap., i, 110, 1881.
- e. zelica* FRENCH, Pap., i, 111, 1881.
2811. **viduata** GUENÉE, Spec. Gén., vii, 94, 1852; SMITH, C. 352. So. Atl. States.
- syn. *maestosa* HULST, *guenéei* GROTE.
- *2812. **moderna** GROTE, Can. Ent., xxxii, 191, 1900. Tex.
2813. **vidua** SMITH & ABBOT, Lep. Ins. Ga., ii, 181, 1797; SMITH, C. 351. Atl. States.
- syn. *desperata* GUENÉE.
- *2814. **dejecta** STRECKER, Bull. Brook. Ent. Soc., ii, 97, 1880; SMITH, C. 351. So. Atl. States.
2815. **retecta** GROTE, Trans. Am. Ent. Soc., iv, 4, 1872; SMITH, C. 351. Atl. States.
- a. luctuosa* HULST, Bull. Brook. Ent. Soc., vii, 32, 53, 1884.
2816. **flebilis** GROTE, Trans. Am. Ent. Soc., iv, 4, 1872. Atl. States.
2817. **robinsonii** GROTE, Trans. Am. Ent. Soc., iv, 20, 1872; SMITH, C. 351. Atl. States.
- a. curvata* FRENCH, Pap., i, 218, 1881.
- *2818. **barnesii** FRENCH, Can. Ent., xxxii, 190, 1900. Tex.
2819. **obscura** STRECKER, Lep. Rhop. Het., 19, 1873; SMITH, C. 353. Atl. States.
- a. simulatilis* GROTE, Trans. Am. Ent. Soc., v, 95, 1873.

2820. **residua** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 242, 1874; SMITH, C. 353. Atl. States.
2821. **insolabilis** GUENÉE, Spec. Gén., vii, 94, 1852; SMITH, C. 353. Atl. States.
2822. **angusi** GROTE, Can. Ent., viii, 229, 1876; SMITH, C. 353. Atl. States.
a. lucetta HY. EDWARDS, French, Cat. Ill., 4, 1882.
2823. **judith** STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 350. Atl. States.
syn. levettei GROTE.
a. miranda HY. EDWARDS, Pap., i, 118, 1881.
2824. **tristis** EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 347. Atl. States.
- *2825. **elda** BEHRENS, Can. Ent., xix, 199, 1887; SMITH, C. 347. Oreg.
2826. **relicta** WALKER, Cat. Brit. Mus., xiii, 1192, 1857; SMITH, C. 346. Atl. States, Oreg., Col.
a. bianca HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.
b. phrynia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.
2827. **cara** GUENÉE, Spec. Gén., vii, 87, 1852; SMITH, C. 344. Atl. States.
a. sylvia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
b. carissima HULST, Bull. Brook. Ent. Soc., ii, 97, 1880.
2828. **amatrix** HÜBNER, Samml. exot. Schmett., ii, 1810; SMITH, C. 344. Atl. States, Col.
a. nurus WALKER, Cat. Brit. Mus., xiii, 1195, 1857; SMITH, C. 345.
2829. **marmorata** EDWARDS, Proc. Ent. Soc. Phil., ii, 508, 1864; SMITH, C. 340. U. S.
2830. **concumbens** WALKER, Cat. Brit. Mus., xiii, 1198, 1857; SMITH, C. 344. Atl. States.
a. diana HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
b. hillii GROTE, Pap., iii, 43, 1883.
2831. **californica** EDWARDS, Proc. Ent. Soc. Phil., ii, 509, 1864; SMITH, C., 343. Cal.
a. perdita HY. EDWARDS, Strecker, Lep. Rhop. Het., 100, 1874.
b. cleopatra HY. EDWARDS, Strecker, Lep. Rhop. Het., 99, 1874.

- *2832. **frenchii** POLING, Can. Ent., xxxiii, 125, 1901. B. C.
- *2833. **jessica** HY. EDWARDS, Pac. Coast Lep., no. 25, Cal.
1877; SMITH, C. 341.
- *2834. **hippolyta** HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 211, 1875; SMITH, C. 341.
- *2835. **portia** HY. EDWARDS, Bull. Brook. Ent. Soc., ii, Cal.
94, 1880; SMITH, C. 341.
2836. **luciana** HY. EDWARDS, Strecker, Lep. Rhop. Col., Kans.,
Het., 99, 1874; SMITH, C. 343. Neb.
syn. *nebraskæ* DODGE.
a. **somnus** DODGE, Can. Ent., xii, 40, 1881.
- *2837. **babayaga** STRECKER, Pap., iv, 73, 1884; SMITH, Ariz.
C. 346.
2838. **arizonæ** GROTE, Can. Ent., v, 163, 233, 1873; Ariz.
SMITH, C. 345.
- *2838. 1. **texanæ** FRENCH, Can. Ent., xxxiv, 98, 1902. Tex.
2839. **aspasia** STRECKER, Lep. Rhop. Het., 94, 1874; Col.
SMITH, C. 345.
a. **sara** FRENCH, Can. Ent., xv, 163, 1883.
2840. **walshii** EDWARDS, Proc. Ent. Soc. Phil., ii, 509, Tex.
1864; SMITH, C. 345.
- *2841. **junctura** WALKER, Cat. Brit. Mus., xiii, 1196, Atl.
1857; SMITH, C. 345. States.
- *2842. **cassandra** HY. EDWARDS, Proc. Cal. Acad. Sci., Col.
vi, 214, 1875; SMITH, C. 345.
2843. **stretchii** BEHR, Trans. Am. Ent. Soc., iii, 24, 1870; Cal.
SMITH, C. 341.
- *2844. **angusta** HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 184, 1875; SMITH, C. 341.
- *2845. **rosalinda** HY. EDWARDS, Bull. Brook. Ent. Soc., Col.,
iii, 55, 1880; SMITH, C. 341. Kans.
2846. **pura** HULST, Bull. Brook. Ent. Soc., ii, 96, 1880; Rocky
SMITH, C. 341. Mts.
- *2847. **semirelicta** GROTE, Sixth Rept. Peab. Acad. Sci., Atl.
35, 1874; SMITH, C. 342. States.
2848. **unijuga** WALKER, Cat. Brit. Mus., xiii, 1194, Atl.
1857; SMITH, C. 340. States.
- *2849. **beaniana** GROTE, Can. Ent., x, 195, 1878; SMITH, Atl.
C. 341. States.
2850. **meskei** GROTE, Can. Ent., vi, 161, 233, 1873; Atl.
SMITH, C. 340. States.

2851. **mariana** HY. EDWARDS, Strecker, Lep. Rhop. Het., 99, 1874; SMITH, C. 342. Cal.
a. francesca HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
2852. **groteiana** BAILEY, No. Am. Ent., i, 21, 1879; SMITH, C. 342. Atl. States.
2853. **hermia** HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 93, 1880; SMITH, C. 343. Col., N. Mex.
2854. **briseis** EDWARDS, Proc. Ent. Soc. Phil., ii, 508, 1864; SMITH, C. 342. Atl. States.
2855. **faustina** STRECKER, Lep. Rhop. Het., 21, 1873; SMITH, C. 341. Cal., Col.
a. zillah STRECKER, Lep. Rhop. Het., 129, 1877.
b. verecunda HULST, Bull. Brook. Ent. Soc., vii, 45, 1884.
c. allusa HULST, Bull. Brook. Ent. Soc., vii, 45, 1884.
2856. **irene** BEHR, Trans. Am. Ent. Soc., iii, 24, 1870; SMITH, C. 343. Cal., Col.
a. virgilia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 56, 1880.
b. volumnia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 56, 1880.
c. valeria HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 56, 1880.
2857. **parta** GUENÉE, Spec. Gén., vii, 84, 1852; SMITH, C. 340. Atl. States.
a. perplexa STRECKER, Lep. Rhop. Het., 38, 1874.
b. petulans HULST, Bull. Brook. Ent. Soc., vii, 43, 1884.
2858. **coccinata** GROTE, Trans. Am. Ent. Soc., iv, 6, 1872; SMITH, C. 338. Atl. States.
a. sinuosa GROTE, Bull. Brook. Ent. Soc., i, 77, 1879.
2859. **circe** STRECKER, Lep. Rhop. Het., 121, 1876; SMITH, C. 338. Tex.
2860. **aholibah** STRECKER, Lep. Rhop. Het., 72, 1874; SMITH, C. 339. Pac. States, Col.
- *2861. **chiricahua** POLING, Can. Ent., xxxiii, 127, 1901. Ariz.
- *2862. **violenta** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 58, 1880; SMITH, C. 337. Col.

2863. *verilliana* GROTE, Can. Ent., vii, 185, 1875; SMITH, C. 337. Rocky Mts.
a. ophelia HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 95, 1880.
b. votiva HULST, Bull. Brook. Ent. Soc., vii, 41, 1884.
2864. *ultronia* HÜBNER, Zutr. exot. Schmett., f. 347, 1818; SMITH, C. 338. Atl. States, Col.
a. celia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 58, 1880.
b. mopsa HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 58, 1880.
c. adriana HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
d. herodias STRECKER, Lep. Rhop. Het., 121, 1876.
2865. *ilia* CRAMER, Pap. Exot., pl. 33, f. B, 1779; SMITH, C. 339. Atl. States.
a. zoe BEHR, Trans. Am. Ent. Soc., iii, 24, 1870.
b. uxor GUENÉE, Spec. Gén., vii, 92, 1852; SMITH, C. 339.
syn. umbrosa WORTHINGTON, *confusa* WORTHINGTON, *decorata* WORTHINGTON, *obsoleta* WORTHINGTON, *duplicata* WORTHINGTON, *conspicua* WORTHINGTON.
c. osculata HULST, Bull. Brook. Ent. Soc., vii, 43, 1884.
2866. *innubens* GUENÉE, Spec. Gén., vii, 98, 1852; SMITH, C. 348. Atl. States.
a. flavidalis GROTE, Trans. Am. Ent. Soc., v, 95, 1874; SMITH, C. 349.
b. hinda FRENCH, Pap., i, 111, 1881.
c. scintillans GROTE, Proc. Ent. Soc. Phil., vi, 28, 1866.
2867. *nebulosa* EDWARDS, Proc. Ent. Soc. Phil., ii, 510, 1864; SMITH, C. 350. Atl. States.
2868. *piatrix* GROTE, Proc. Ent. Soc. Phil., iii, 88, 1865; SMITH, C. 350. Atl. States.
2869. *dionyza* HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 350. Ariz.
2870. *neogama* SMITH & ABBOT, Lep. Ins. Ga., ii, 175, 1797; SMITH, C. 349. Atl. States.
a. communis GROTE, Trans. Am. Ent. Soc., iv, 9, 1872.
b. snoviana GROTE, List. Noct., 41, 1876; SMITH, C. 350.

2871. **subnata** GROTE, Proc. Ent. Soc. Phil., iii, 326, 1865; SMITH, C. 350. Atl. States.
2872. **cerogama** GUENÉE, Spec. Gén., vii, 96, 1852; SMITH, C. 337; DYAR, Can. Ent., xxvi, 21, 1894. Atl. States.
 syn. *aurella* FISCHER, *eliza* FISCHER.
a. bunkerii GROTE, Can. Ent., viii, 230, 1876.
2873. **palæogama** GUENÉE, Spec. Gén., vii, 97, 1852; SMITH, C. 349. Atl. States.
a. annida FAER, Can. Ent., xiv, 120, 1882.
b. phalanga GROTE, Proc. Ent. Soc. Phil., iii, 86, 1865.
2874. **consors** SMITH & ABBOT, Lep. Ins. Ga., ii, 177, 1797; SMITH, C. 336. So. Atl. States.
2875. **muliercula** GUENÉE, Spec. Gén., vii, 97, 1852; SMITH, C. 348. Atl. States.
a. permanans HULST, Bull. Brook. Ent. Soc., vii, 50, 1884.
2876. **delilah** STRECKER, Lep. Rhop. Het., 96, 1874; SMITH, C. 337. Ill., Tex., Ariz.
 syn. *adoptiva* GROTE.
- *2877. **desdemona** HY. EDWARDS, Pap., ii, 15, 1882; SMITH, C. 337. Ariz.
- *2878. **calphurnia** HY EDWARDS, Bull. Brook. Ent. Soc., iii, 59, 1880; SMITH, C. 337. Kans.
2879. **adromache** HY. EDWARDS, Ent. Amer., i, 50, 1885; SMITH, C. 336. Cal.
2880. **frederici** GROTE, Trans. Am. Ent. Soc., iv, 14, 1872; SMITH, C. 336. Tex., N. Mex., Col.
2881. **illecta** WALKER, Cat. Brit. Mus., xiii, 1205, 1857; SMITH, C. 336; BEUTENMÜLLER, Jn. N. Y. Ent. Soc., ix, 189, 1902. Ill., Neb., Tex.
 syn. *magdalena* STRECKER.
2882. **serena** EDWARDS, Proc. Ent. Soc. Phil., ii, 510, 1864; SMITH, C. 348. Atl. States.
2883. **amestris** STRECKER, Lep. Rhop. Het., 96, 1874; SMITH, C. 336. Miss. Val.
 syn. *anna* GROTE.
a. wescottii GROTE, Can. Ent., x, 195, 1878.
2884. **antinympha** HÜBNER, Verz. bek. Schmett., 278, 1816; SMITH, C. 347. Atl. States.

2885. *badia* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vii, 22, 1868; SMITH, C. 348. Atl. States.
2886. *cœlebs* GROTE, Trans. Am. Ent. Soc., v, 96, 1874; SMITH, C. 348. Can.
a. phœbe HY. EDWARDS, Pap., iv, 125, 1884.
2887. *habilis* GROTE, Trans. Am. Ent. Soc., iv, 11, 1872; SMITH, C. 348. Atl. States.
a. basalis GROTE, Can. Ent., viii, 230, 1876.
2888. *clintonii* GROTE, Proc. Ent. Soc. Phil., iii, 89, 1865; SMITH, C. 335. Atl. States.
a. helene PILATE, Pap., ii, 31, 1882.
2889. *abbreviatella* GROTE, Trans. Am. Ent. Soc., iv, 14, 1872; SMITH, C. 335. Miss. Val.
2890. *whitneyi* DODGE, Can. Ent., vi, 125, 1874; SMITH, C. 375. Ohio, Neb.
2891. *nuptialis* WALKER, Cat. Brit. Mus., iii, 1206, 1857; SMITH, C. 335. Miss. Val.
syn. myrrha STRECKER.
2892. *polygama* GUENÉE, Spec. Gén., vii, 105, 1852; SMITH, C. 332. Atl. States.
syn. blandula HULST; SMITH, C. 335.
a. cratægi SAUNDERS, Can. Ent., viii, 72, 1876; SMITH, C. 334.
b. mira GROTE, Can. Ent., viii, 230, 1876.
2893. *pretiosa* LINTNER, Can. Ent., viii, 121, 1876; SMITH, C. 334. N. Y.
2894. *amasia* SMITH & ABBOT, Lep. Ins. Ga., ii, 178, 1797; SMITH, C. 333. Atl. States.
syn. sancta HULST; SMITH, C. 334.
a. virens FRENCH, Can. Ent., xviii, 162, 1886.
- *2895. *cordelia* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 59, 1880; SMITH, C. 334. Tex., Fla.
2896. *chelidonia* GROTE, Pap., i, 159, 1881; SMITH, C. 333. Ariz.
2897. *similis* EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 333. Atl. States.
syn. formula GROTE.
a. aholah STRECKER, Lep. Rhop. Het., 96, 1874.
b. isabella HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.

2898. **fratercula** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 24, 1866; SMITH, C. 332 (as *micro-nympha* GUENÉE). Atl. States, Ariz., Col., Cal.
- a. atarah* STRECKER, Lep. Rhop. Het., 97, 1874.
- b. jaquenetta* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.
- c. ouwah* POLING, Can. Ent., xxxiii, 128, 1901.
- d. timandra* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.
- e. hero* HY. EDWARDS, Pap., iv, 125, 1874.
- f. gisela* MEYER, Bull. Brook. Ent. Soc., ii, 96, 1880.
- *2899. **olivia** HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 95, 1880; SMITH, C. 331. Tex.
2900. **præclara** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 25, 1866; SMITH, C. 332. Atl. States.
2901. **dulciola** GROTE, Pap., i, 5, 1881; SMITH, C. 334. Ohio, Ill.
2902. **grynea** CRAMER, Pap. Exot., iii, pl. 208, f. H, 1782; SMITH, C. 332. Atl. States.
- a. constans* HULST, Bull. Brook. Ent. Soc., vii, 37, 1884.
- *2903. **alabamæ** GROTE, Proc. Acad. Nat. Sci. Phil., 427, 1875; SMITH, C. 332. Ala.
- *2904. **titania** DODGE, Ent. News, xi, 472, 1900. Mo.
2905. **gracilis** EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 331. Atl. States.
- a. sordida* GROTE, Can. Ent., ix, 170, 1877.
2906. **minuta** EDWARDS, Proc. Ent. Soc. Phil., ii, 512, 1864; SMITH, C. 331. Atl. States.
- a. parvula* EDWARDS, Proc. Ent. Soc. Phil., ii, 512, 1864.
- b. mellitula* HULST, Bull. Brook. Ent. Soc., vii, 35, 1884.
2907. **amica** HÜBNER, Zutr. exot. Schmett., f. 27, 1818; SMITH, C. 330. Atl. States.
- syn. *androphila* GUENÉE.
- a. lineella* GROTE, Trans. Am. Ent. Soc., iv, 18, 1872.
- b. nerissa* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 61, 1880.
- *2908. **jair** STRECKER, Ent. News, viii, 116, 1897. Fla.

ALLOTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 280, 1816.

2909. *elonympha* HÜBNER, Zutr. exot. Schmett., i, f. 29,
1818; SMITH, C. 330.

Atl.
States.

ANDREWSIA Grote.

GROTE, New Check List, 41, 1882.

2910. *messalina* GUENÉE, Spec. Gén., vii, 107, 1852;
SMITH, C. 330.

So. Miss.
Vall.

syn. *belfragiana* HARVEY, *jocasta* STRECKER.

EUPARTHENOS Grote.

GROTE, Ann. N. Y. Lyc. Nat. Hist., xi, 301, 1876.

- 2911 *nubilis* HÜBNER, Samml. exot. Schmett., ii, 1816;
SMITH, C. 330.

Atl. States,
Ariz.

a. *apache* POLING, Can. Ent., xxxiii, 129, 1901.

HYPOCALA Guenée.

GUENÉE, Spec. Gén., vii, 73, 1852.

2912. *andremona* CRAMER, Pap. Exot., iv, pl. 358, f. C,
1782; MEYRICK, Faun. Haw., i, 159, 1899.

Tex.,
So. Am.

syn. *hillii* LINTNER, Ent. Cont., iv, 103, 1878;
SMITH, C. 318.

LITOCALA Harvey.

HARVEY, Bull. Buff. Soc., ii, 280, 1875.

2913. *sexsignata* HARVEY, Bull. Buff. Soc., ii, 280, 1875;
SMITH, C. 322.

Rocky Mts.,
Cal.

a. *deserta* HY. EDWARDS, Pap., i, 25, 1881.

TOXOCAMPA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., x, 75, 1841.

2914. *victoria* GROTE, Bull. Buff. Soc., ii, 163, 1874;
SMITH, C. 355.

No. U. S.,
Col.

PHOBERIA Hübner.

HÜBNER, Verz. bek. Schmett., 267, 1816.

2915. *atomaris* HÜBNER, Zutr. exot. Schmett., f. 75,
1818; SMITH, C. 355.

Atl.
States.

syn. *orthosioides* GUENÉE, *forrigens* WALKER,
ingenua WALKER.

- *2916. *indiscreta* HY. EDWARDS, Ent. Amer., ii, 170, Cal.
1866; SMITH, C. 355.

HOMOPHOBERIA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875.

- *2917. *cristata* MORRISON, Proc. Bost. Soc. Nat. Hist., N. J.?
xviii, 125, 1875; SMITH, C. 355.

SIAVANA Walker.

WALKER, Cat. Brit. Mus., xiii, 1009, 1857; *Harveya* GROTE.

2918. *repanda* WALKER, Cat. Brit. Mus., xiii, 1009, So.
1857; SMITH, C. 361. States.
syn. *auripennis* GROTE.

PALINDIA Guenée.

GUENÉE, Spec. Gén., vi, 274, 1852.

2919. *dominicata* GUENÉE, Spec. Gén., vi, 276, 1852; Tex.,
SMITH, C. 361. So. Am.
*2919. 1. *merricki* HOLLAND, Ent. News, xiii, 172, 1902. Pa.

PANAPODA Guenée.

GUENÉE, Spec. Gén., vii, 324, 1852.

2920. *rufimargo* HÜBNER, Zutr. exot. Schmett., f. 45, Atl.
1818; SMITH, C. 361. States.
syn. *rubricosta* GUENÉE, *cressonii* GROTE.
a. carneicosta GUENÉE, Spec. Gén., vii, 325, 1852.
syn. *scissa* WALKER, *combinata* WALKER.
b. roseicosta GUENÉE, Spec. Gén., vii, 325, 1852.

PARALLELIA Hübner.

HÜBNER, Verz. bek. Schmett., 269, 1816.

2921. *bistriaris* HÜBNER, Zutr. exot. Schmett., f. 63, Atl.
1818; SMITH, C. 360. States.
syn. *amplissima* WALKER.

AGNOMONIA Hübner.

HÜBNER, Zutr. Exot. Schmett., iii, 10, 1823.

2922. *anilis* DRURY, Ill. Exot. Ent., ii, 21, 1797; SMITH, So. Atl.
C. 360. States.
syn. *sesquistriaris* HÜBNER.

REMIGIA Guenée.

GUENÉE, Spec. Gén., vii, 313, 1852.

2923. **repanda** FABRICIUS, Ent. Syst., iii, 133, 1793. Atl. States,
 syn. *latipes* GUENÉE, *perlata* WALKER, *inden-* So. Am.
tata HARVEY, *texana* MORRISON.
a. disseverans WALKER, Cat. Brit. Mus., xiv,
 1495, 1858.
b. marcida GUENÉE, Spec. Gén., vii, 317, 1852.
 syn. *hexastylus* HARVEY.

GRAMMODES Guenée.

GUENÉE, Spec. Gén., vii, 275, 1852.

2924. **smithii** GUENÉE, Spec. Gén., vii, 266, 1852; So.
 SMITH, C. 319. States.
 2925. **similis** GUENÉE, Spec. Gén., vii, 267, 1852; So.
 SMITH, C. 319. States.
a. apicalis GUENÉE, Spec. Gén., vii, 267, 1852.
 2926. **consobrina** GUENÉE, Spec. Gén., vii, 268, 1852; So.
 SMITH, C. 319. States.

EPIDROMIA Guenée.

GUENÉE, Spec. Gén., vii, 325, 1852.

- *2927. **delinquens** WALKER, Cat. Brit. Mus., xiv, 1423, Fla.,
 1858; DRUCE, Biol. Cent. Am., Lep. Het., i, 381, So. Am.
 1890.

POAPHILA Guenée.

GUENÉE, Spec. Gén., vii, 299, 1852.

2928. **quadriflalis** HÜBNER, Zutr. exot. Schmett., f. Atl.
 569, 1823; SMITH, C. 358. States.
 2929. **deleta** GUENÉE, Spec. Gén., vii, 300, 1852; SMITH, So.
 C. 358. States.
 syn. *obsoleta* GROTE.
 2930. **sylvarum** GUENÉE, Spec. Gén., vii, 300, 1852; So.
 SMITH, C. 358. States.
 *2931. **erasa** GUENÉE, Spec. Gén., vii, 301, 1852; SMITH, So.
 C. 359. States.
 *2932. **herbicola** GUENÉE, Spec. Gén., vii, 301, 1852; So.
 SMITH, C. 359. States.
 *2933. **contempta** GUENÉE, Spec. Gén., vii, 302, 1852; So.
 SMITH, C. 358. States.
 *2934. **flavistriaria** HÜBNER, Zutr. exot. Schmett., f. So.
 555, 1823; SMITH, C. 359. States.

- *2935. **pacalis** WALKER, Cat. Brit. Mus., xiv, 1475, 1858; SMITH, C. 359. Fla.
 syn. irrorata GROTE.
- *2936. **placata** GROTE, Bull. Geol. Surv. Terr., iv, 184, 1878; SMITH, C. 359. Ga.
- *2937. **perplexa** BOISDUVAL, Guenée, Spec. Gén., vii, 302, 1852; SMITH, C. 359. Ga.
- *2938. **revoluta** WALKER, Cat. Brit. Mus., xiv, 1472, 1858; SMITH, C. 360. U. S.
- *2939. **turbata** WALKER, Cat. Brit. Mus., xiv, 1834, 1858; SMITH, C. 260 (to *Perigea*). E. Fla.

PHURYS Guenée.

GUENÉE, Spec. Gén., vii, 303, 1852.

2940. **vinculum** GUENÉE, Spec. Gén., vii, 304, 1852; SMITH, C. 357. So. States.
2941. **herbarum** GUENÉE, Spec. Gén., vii, 303, 1852; SMITH, C. 357. So. States.
 syn. bifasciata BATES.
- *2942. **ovalis** GROTE, Pap., iii, 75, 1883; SMITH, C. 357. Ariz.
2943. **lima** GUENÉE, Spec. Gén., vii, 305, 1852; SMITH, C. 357. So. States.
 syn. obversa WALKER, *dissocians* WALKER.
2944. **bistrigata** HÜBNER, Zutr. exot. Schmett., f. 111, 1818; SMITH, C. 357. Ga.
2945. **perspicua** WALKER, Cat. Brit. Mus., xvi, 1477, 1858; SMITH, C. 358. Fla.
 syn. glans GROTE.

CELIPTERA Guenée.

GUENÉE, Spec. Gén., vii, 308, 1852.

2946. **frustulum** GUENÉE, Spec. Gén., vii, 308, 1852; SMITH, C. 355. Atl. States.
 syn. discissa WALKER, *elongatus* GROTE.
- *2947. **bucetum** GROTE, Trans. Kans. Acad. Sci., viii, 50, 1883; SMITH, C. 356. N. Mex.

ANTICARSIA Hübner.

HÜBNER, Verz. bek. Schmett., 340, 1816.

2948. **gemmatilis** HÜBNER, Zutr. exot. Schmett., f. 153, 1818; SMITH, C. 365. Atl. States.
2949. **ferruginea** SMITH, Jn. N. Y. Ent. Soc., viii, 174, 1900. Fla.

ANTIBLEMMA Hübner.

HÜBNER, Verz. bek. Schmett., 341, 1816.

2950. *inexacta* WALKER, Cat. Brit. Mus., xxxiii, 1038, 1865; SMITH, C. 366. So. States,
syn. *canalis* GROTE. So. Am.,
Ariz.
- a. guttula* HY. EDWARDS, Pap., ii, 129, 1882.
- b. minorata* SMITH, Proc. U. S. Nat. Mus., xxii, 493, 1900.
- c. fasciata* SMITH, Proc. U. S. Nat. Mus., xxii, 494, 1900.

LITOPROSOPUS Grote.

GROTE, Trans. Am. Ent. Soc., ii, 309, 1869.

2951. *futilis* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 202, 1868; SMITH, C. 245. Fla.,
Ga.

OPHIDERES Boisduval.

BOISDUVAL, Faun. Ent. Mad., 99, 1834.

- *2952. *materna* LINNÆUS, Syst. Nat., 12th ed., 2, 840, 1767; SMITH, C. 354. Fla.,
So. Am.
- syn. *hybrida* FABRICIUS, *calaminea* CRAMER.

STRENOLOMA Grote.

GROTE, No. Am. Ent., i, 99, 1880; *Spiloloma* GROTE (not *Spilosoma* STEPHENS), Bull. Buff. Soc., i, 127, 1873.

2953. *lunilinea* GROTE, Bull. Buff. Soc., i, 127, 1873; So. Atl.
SMITH, C. 354. States.

CAMPOMETRA Guenée.

GUENÉE, Spec. Gén., vii, 25, 1852; *Eubolina* HARVEY; SMITH, Proc. U. S. Nat. Mus., xxii, 101, 1899 (for 2956 and 2958).

2954. *fraterna* SMITH, Proc. U. S. Nat. Mus., xxi, 104, 1899. Tex.
2955. *minor* SMITH, Proc. U. S. Nat. Mus., xxi, 104, 1899. Ariz.
2956. *impartialis* HARVEY, Bull. Buff. Soc., ii, 281, 1875; SMITH, C. 372. Tex.
2957. *amella* GUENÉE, Spec. Gén., vii, 25, 1852; SMITH, C. 372. Tex.,
Fla.
- syn. *integerrima* WALKER, *stylobata* HARVEY.
2958. *meskei* HY. EDWARDS, Pap., ii, 128, 1882; SMITH, C. 372. Tex.

2959. *mima* HARVEY, Can. Ent., viii, 155, 1876; SMITH, Tex., Col.,
C. 372. Ariz.
2960. *bilineata* SMITH, Proc. U. S. Nat. Mus., xxi, 102, Tex.
1899.
2961. *cinctipalpis* SMITH, Proc. U. S. Nat. Mus., xxi, Fla.
103, 1899.

TRAMA Harvey.

HARVEY, Bull. Buff. Soc., iii, 13, 1875.

2962. *detrahens* WALKER, Cat. Brit. Mus., xiv, 1834, So.
1858; SMITH, C. 364. States.
- syn. *arrosa* HARVEY.
2963. *hinna* GEYER, Zutr. exot. Schmett., f. 971, 1837; So.
SMITH, C. 364. States.
- *2964. *griseipennis* GROTE, Can. Ent., xiv, 183, 1882; Ariz.
SMITH, C. 365.

MATIGRAMMA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 22, 1872.

2965. *pulverilinea* GROTE, Trans. Am. Ent. Soc., iv, 22, So.
1872; SMITH, C. 375. States.
2966. *pulversoa* WALKER, Cat. Brit. Mus., xxxiii, 994, Tex.
1865; SMITH, C. 375.
2967. *rubrosuffusa* GROTE, Can. Ent., xiv, 172, 1882; Ariz.
SMITH, C. 375.

CAPNODES Guenée.

GUENÉE, Spec. Gén., vii, 374, 1852.

2968. *punctivena* SMITH, Jn. N. Y. Ent. Soc., vii, 175, Fla.
1900.
- *2969. *californica* BEHR, Trans. Am. Ent. Soc., iii, 23, Cal.
1870; SMITH, C. 365.

KAKOPODA Smith.

SMITH, Jn. N. Y. Ent. Soc., viii, 175, 1900.

- *2970. *cincta* SMITH, Jn. N. Y. Ent. Soc., viii, 176, 1900. Fla.

YRIAS Guenée.

GUENÉE, Spec. Gén., vii, 21, 1852.

2971. *clientis* GROTE, Can. Ent., xiv, 236, 1882; SMITH, Ari
C. 374.

2972. *volucris* GROTE, Can. Ent., xv, 3, 1883; SMITH, C. 374. Ariz.

2973. *repentis* GROTE, Pap., i, 165, 1881; SMITH, C. 374. Ariz.

2974. *crudelis* GROTE, Can. Ent., xv, 237, 1882; SMITH, C. 374. Ariz., Tex., Cal.

EGRYRLON Smith.

SMITH, Jn. N. Y. Ent. Soc., viii, 176, 1900.

*2975. *flaria* SMITH, Jn. N. Y. Ent. Soc., viii, 177, 1900. Fla.

ZALE Hübner.

HÜBNER, Verz. bek. Schmett., 275, 1816.

2977. *horrida* HÜBNER, Zutr. exot. Schmett., f. 31, 1818; SMITH, C. 367. Atl. States.

SELENIS Guenée.

GUENÉE, Spec. Gén., vii, 361, 1852.

2978. *monotropa* GROTE, Can. Ent., vii, 207, 1876; SMITH, C. 373. Tex.

PHEOCYMA Hübner.

HÜBNER, Verz. bek. Schmett., 275, 1816.

2979. *lunifera* HÜBNER, Zutr. exot. Schmett., f. 97, 1818; SMITH, C. 368. Atl. States.

syn. *lineola* WALKER.

*2980. *umbrina* GROTE, Can. Ent., xv, 3, 1883; SMITH, C. 368. Ariz.

*2981. *termina* GROTE, Can. Ent., xv, 129, 1883; SMITH, C. 368. Ariz.

YPSIA Guenée.

GUENÉE, Spec. Gén., vii, 16, 1852.

2983. *undularis* DRURY, Ill. Exot. Ent., i, pl. 9, f. 4, 1770; SMITH, C. 372. Atl. States.

a. *æruginea* GUENÉE, Spec. Gén., vii, 17, 1852.

syn. *plenipennis* WALKER.

b. *umbripennis* GROTE, Can. Ent., viii, 109, 1877.

PSEUDANTHRÆCIA Grote.

GROTE, Bull. Buff. Soc., ii, 46, 1874.

2984. *coracias* GUENÉE, Spec. Gén., vii, 19, 1852; SMITH, C. 373. Atl. States.

*2985. *cornix* GUENÉE, Spec. Gén., vii, 19, 1852; SMITH, C. 373. No. Am.

HOMOPTERA Boisduval.^a

BOISDUVAL (not LATREILLE) in Guérin, Icon. Règ. An., pl. 89, 1829; GUENÉE, Spec. Gén., vii, 8, 1852.

2986. **lunata** DRURY, Ill. Exot. Ent., i, 40, 1770; SMITH, C. 368. Atl. States.
- a. edusa* DRURY, Ill. Exot. Ent., ii, pl. 24, f. 4, 1773.
 syn. *putrescens* GUENÉE, *saundersii* BETHUNE,
 viridans WALKER, *involuta* WALKER.
- *2987. **nigricans** BETHUNE, Proc. Ent. Soc. Phil., iv, 214, 1864; SMITH, C. 369.^b No. Atl. States.
2988. **rosæ** BEHR, Trans. Am. Ent. Soc., iii, 28, 1870; SMITH, C. 369. Cal.
2989. **rubi** HY. EDWARDS, Pap., i, 28, 1881; SMITH, C. 369. Cal., Ariz.
- *2990. **minerea** GUENÉE, Spec. Gén., vii, 15, 1852; SMITH, C. 369. Atl. States.
2991. **calycanthata** SMITH & ABBOT, Lep. Ins. Ga., ii, 207, 1797; SMITH, C. 370. Atl. States.
2992. **cingulifera** WALKER, Cat. Brit. Mus., xiii, 1056, 1857; SMITH, C. 370. Atl. States.
 syn. *intenta* WALKER, *woodii* GROTE.
- *2993. **salicis** BEHR, Trans. Am. Ent. Soc., iii, 28, 1870; SMITH, C. 370. Cal.
- *2994. **albofasciata** BETHUNE, Can. Jn., x, 256, 1865; SMITH, C. 370. Can.
2995. **edusina** HARVEY, Bull. Buff. Soc., iii, 14, 1875; SMITH, C. 370. Tex.
 a. atritincta HARVEY, Bull. Buff. Soc., iii, 14, 1875.
- *2996. **galbanata** MORRISON, Proc. Acad. Nat. Sci. Phil., 435, 1875; SMITH, C. 370. Neb.
- *2997. **uniformis** MORRISON, Can. Ent., vii, 148, 1875; SMITH, C. 371. Ga.
- *2998. **cinerea** MORRISON, Can. Ent., vii, 148, 1875; SMITH, C. 371. Mass.
- *2999. **penna** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 241, 1875; SMITH, C. 371. Miss. Vall.
3000. **unilineata** GROTE, Can. Ent., viii, 108, 1876; SMITH, C. 371. Atl. States

^a A homonym, but probably the same as *Pheocyma*.

^b Synonym of *Ypsia undularis* according to Bethune in letter.

3001. **obliqua** GUENÉE, Spec. Gén., vii, 16, 1852; SMITH, C. 371. Atl. States.
3002. **duplicata** BETHUNE, Can. Jn., x, 257, 1865; SMITH, C. 371. Atl. States.
- *3003. **benesignata** HARVEY, Bull. Buff. Soc., iii, 14, 1875; SMITH, C. 371. Can.
- *3004. **declarans** WALKER, Cat. Brit. Mus., xiii, 1057, 1857; SMITH, C. 371. E. Fla.

LATEBRARIA Guenée.

GUENÉE, Spec. Gén., vii, 159, 1852.

3005. **amphipyroides** GUENÉE, Spec. Gén., vii, 159, 1852. Tex., So. Am.

EREBUS Latreille.

LATREILLE, Gen. Crust. Ins., 365, 1810.

3006. **odora** LINNÆUS, Syst. Nat., 505, 1758; SMITH, C. 366. Atl. States, Col., Cal., So. Am.
syn. *agarista* CRAMER.

THYSANIA Dalman.

DALMAN, Vet. Akad. Handl., 407, 1824.

3007. **zenobia** CRAMER, Pap. Exot., pl. 115, f. A, 1779; SMITH, C. 367. Fla., So. Am.

Subfamily HYPENINÆ.

EPIZEUXIS Hübner.

HÜBNER, Verz. bek. Schmett., 346, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 15, 1895.

3008. **americalis** GUENÉE, Spec. Gén., viii, pl. 6, f. 5, 1854; SMITH, C. 379; Bull. 48, U. S. Nat. Mus., 23, 1895. Atl. States.
syn. *scriptipennis* WALKER.
3009. **æmula** HÜBNER, Samml. exot. Schmett., iii, 1815; SMITH, C. 379. Atl. States.
syn. *mollifera* WALKER, *herminioides* WALKER, *effusalis* WALKER, *concisa* WALKER.
- *3010. **nigellus** STRECKER, Lep. Rhop. Het., suppl. 3, 36, 1900. Ill.
3011. **suffusalis** SMITH, Jn. N. Y. Ent. Soc., vii, 233, 1899. Ariz.

3012. **lubricalis** GEYER, Zutr. exot. Schmett., f. 665, 1832; SMITH, C. 377. Atl. States, Col.
 syn. *phæalis* GUENÉE, *surrectalis* WALKER.
a. occidentalis SMITH, Bull. Brook. Ent. Soc., vii, 5, 1884.
3013. **denticulalis** HARVEY, Bull. Buff. Soc., ii, 283, 1875; SMITH, C. 378. Atl. States.
3014. **scobialis** GROTE, No. Am. Ent., i, 95, 1880; SMITH, C. 378. Atl. States.
3015. **laurentii** SMITH, Ent. News, iv, 83, 1893. N. C.
3016. **rotundalis** WALKER, Cat. Brit. Mus., xxxiv, 1144, 1865; SMITH, Bull. 48, U. S. Nat. Mus., 20, 1895. Atl. States, Col.
 syn. *borealis* SMITH, *forbesii* FRENCH.
3017. **majoralis** SMITH, Bull. 48, U. S. Nat. Mus., 25 1895. Atl. States.
3018. **gopheri** SMITH, Can. Ent., xxxi, 94, 1899. Fla.

ZANCLOGNATHA Lederer.

LEDERER, Noct. Eur., 211, 1857; SMITH, Bull. 48, U. S. Nat. Mus., 27, 1895; *Pityolita* GROTE, Bull. Buff. Soc., i, 39, 1873; *Megachyta* GROTE, Trans. Am. Ent. Soc., iv, 306, 1873; *Cleptomita* GROTE, Trans. Am. Ent. Soc., iv, 301, 1873.

3019. **lævigata** GROTE, Trans. Am. Ent. Soc., iv, 95, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 36, 1895. Atl. States.
a. modestalis FITCH (median space entirely brown).
b. reversata DYAR (basal and terminal spaces brown).
c. obsoleta SMITH, Bull. Brook. Ent. Soc., vii, 5, 1884; C. 382.
3020. **pedipilalis** GUENÉE, Spec. Gén., viii, 57, 1854; SMITH, C. 381; Bull. 48, U. S. Nat. Mus., 39, 1895. Atl. States.
3021. **cruralis** GUENÉE Spec. Gén., viii, 58, 1854; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 40, 1895. Atl. States.
 , syn. *jachusalis* WALKER.
3022. **obscuripennis** GROTE, Trans. Am. Ent. Soc., iv, 98, 309, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 41, 1895. Atl. States.
3023. **protumnusalis** WALKER, Cat. Brit. Mus., xvi, 104, 1859; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 42, 1895. Atl. States.
 syn. *minimalis* GROTE.

3024. **ochreipennis** GROTE, Trans. Am. Ent. Soc., iv, 98, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 44, 1895. Atl. States.
3025. **marcidilinea** GROTE, Trans. Am. Ent. Soc., iv, 93, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 43, 1895. Atl. States.
3026. **lituralis** HÜBNER, Zutr. exot. Schmett., f. 19, 1818; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 32, 1895. Atl. States.
3027. **theralis** WALKER, Cat. Brit. Mus., xix, 855, 1859; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 33, 1895. Atl. States.
syn. *deceptricalis* ZELLER.
a. gypsalis GROTE, Bull. Brook. Ent. Soc., iii, 65, 1880.
3028. **inconspicualis** GROTE, Can. Ent., xv, 30, 1883; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 35, 1895. No. N. Y.
- *3029. **minoralis** SMITH, Bull. 48, U. S. Nat. Mus., 34, 1895. N. Y.
- *3030. **atrilineella** GROTE, Trans. Am. Ent. Soc., iv, 301, 1873; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 38, 1895. Tex.

HORMISA Walker.

WALKER, Cat. Brit. Mus., xvi, 74, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 45, 1895;
Pallachira GROTE, Can. Ent., ix, 197, 1877.

3031. **absorptalis** WALKER, Cat. Brit. Mus., xvi, 74, 1859; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 46, 1895. Atl. States.
syn. *nubilifascia* GROTE.
- *3032. **litophora** GROTE, Bull. Buff. Soc., i, 86, 1873; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 48, 1895. Atl. States.
- *3033. **linearis** GROTE, Can. Ent., xv, 121, 1883; SMITH, C. 381. Ariz.
3034. **bivittata** GROTE, Can. Ent., ix, 198, 1877; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 48, 1895. Atl. States.

SISYRHYPENA Grote.

GROTE, Can. Ent., v, 227, 1873.

3035. **orciferalis** WALKER, Cat. Brit. Mus., xvi, 235, 1859; SMITH, C. 386; Bull. 48, U. S. Nat. Mus., 49, 1895. So. Atl. States.
syn. *pupillaris* GROTE, *hartii* FRENCH.

PHILOMETRA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 99, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 50, 1895.

3036. **metonalis** WALKER, Cat. Brit. Mus., xvi, 236, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 51, 1895. Atl. States.

syn. *goasalis* WALKER; SMITH, C. 383; *longilabris* GROTE.

3037. **eumelusalis** WALKER, Cat. Brit. Mus., xvi, 105, 1859; SMITH, C. 384; Bull. 48, U. S. Nat. Mus., 53, 1895. Atl. States.

syn. *serraticornis* GROTE.

3038. **hanhami** SMITH, Can. Ent., xxxi, 207, 1899. Man.

CHYTOLITA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 309, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 54, 1895.

3039. **morbidalis** GUENÉE, Spec. Gén., viii, 56, 1854; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 56, 1895. Atl. States.

a. petrealis GROTE, Can. Ent., xii, 219, 1880; SMITH, Bull. 48, U. S. Nat. Mus., 56, 1895.

b. punctiformis SMITH, Bull. 48, U. S. Nat. Mus., 37, 1895.

HYPENULA Grote.

GROTE, Can. Ent., viii, 27, 1876; SMITH, Bull. 48, U. S. Nat. Mus., 76, 1895.

3040. **cacuminalis** WALKER, Cat. Brit. Mus., xvi, 37, 1859; SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 77, 1895. So. States.

syn. *biferalis* WALKER, *opacalis* GROTE.

RENIA Guenée.

GUENÉE, Spec. Gén., vii, 91, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 65, 1895.

3041. **salusalis** WALKER, Cat. Brit. Mus., xvi, 197, 1859; SMITH, C. 387; Bull. 48, U. S. Nat. Mus., 68, 1895. Atl. States, Col.

syn. *brevirostralis* GROTE.

3042. **discoloralis** GUENÉE, Spec. Gén., viii, 82, 1854; SMITH, C. 386; Bull. 48, U. S. Nat. Mus., 69, 1895. Atl. States.

syn. *fallacialis* WALKER, *generalis* WALKER, *thraxalis* WALKER.

3043. **fraternalis** SMITH, Bull. 48, U. S. Nat. Mus., 70, 1895. Fla., Ga.

3044. **sobrialis** WALKER, Cat. Brit. Mus., xvi, 228, 1859; Atl. States,
SMITH, C. 387; Bull. 48, U. S. Nat. Mus., 71, 1895; Col.
DYAR, Proc. U. S. Nat. Mus., xxiii, 280, 1901.
syn. *restrictalis* GROTE.
a. **larvalis** GROTE, Trans. Am. Ent. Soc., iv, 20,
1872; SMITH, C. 387; Bull. 48, U. S. Nat. Mus.,
72, 1895.
3045. **clitosalis** WALKER, Cat. Brit. Mus., xvi, 108, 1859; Atl.
SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 72, 1895. States.
syn. *centralis* GROTE.
3046. **factiosalis** WALKER, Cat. Brit. Mus., xvi, 37, 1859; Atl. States,
SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 73, 1895. Col.
syn. *plenilinealis* GROTE, *alutalis* GROTE.
3047. **pulverosalis** SMITH, Bull. 48, U. S. Nat. Mus., 75, Col.
1895.
3048. **flavipunctalis** GEYER, Zutr. exot. Schmett., f. Atl.
701, 1832; SMITH, C. 388; Bull. 48, U. S. Nat. States.
Mus., 74, 1895.
syn. *phalerosalis* WALKER, *heliusalis* WALKER,
belfragei GROTE, *pastoralis* GROTE.

BLEPTINA Guenée.

GUENÉE, Spec. Gén., viii, 66, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 57, 1895.

3049. **caradrinalis** GUENÉE, Spec. Gén., vii, 67, 1854; Atl. States,
SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 58, Rocky Mts.,
1895. Ariz.
syn. *cloniasalis* WALKER.
3050. **inferior** GROTE, Trans. Am. Ent. Soc., iv, 94, 1872; So.
SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 61, 1895. States.
a. **medialis** SMITH, Bull. 48, U. S. Nat. Mus., 60,
1895.

TETANOLITA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 305, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 61, 1895.

3051. **floridana** SMITH, Bull. 48, U. S. Nat. Mus., 63, Fla.,
1895. Tex.
3052. **mynesalis** WALKER, Cat. Brit. Mus., xix, 860, So. Atl.
1859; SMITH, C. 389; Bull. 48, U. S. Nat. Mus., States.
63, 1895.
syn. *liralis* GROTE.
3053. **palligera** SMITH, Bull. Brook. Ent. Soc., vii, 6, Cal.
1884; C. 385; Bull. 48, U. S. Nat. Mus., 64,
1895.

HETEROGRAMMA Guenée.

GUENÉE, Spec. Gén., viii, 91, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 78, 1895.

3054. **pyramusalis** WALKER, Cat. Brit. Mus., xvi, 106, 1859; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 79, 1895. Atl. States.

syn. *gyasalis* WALKER, *rurigena* GROTE.

GABERASA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1197, 1865; SMITH, Bull. 48, U. S. Nat. Mus., 80, 1895.

3055. **ambigualis** WALKER, Cat. Brit. Mus., xxxvi, 1198, 1865; SMITH, C. 395; Bull. 48, U. S. Nat. Mus., 81, 1895. Atl. States.

syn. *bifidalis* GROTE, *indivisalis* GROTE.

DIRCETIS Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 186, 1878; SMITH, Bull. 48, U. S. Nat. Mus., 82, 1895.

3056. **vitrea** GROTE, Bull. Geol. Surv. Terr., iv, 186, 1878; SMITH, C. 396. So. Atl. States.

3057. **pygmæa** GROTE, Bull. Geol. Surv. Terr., iv, 187, 1878; SMITH, C. 396. Fla., Tex.

PALTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 342, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 84, 1895.

3058. **angulalis** HÜBNER, Schmett. Eur., Pyral. f. 107, 1796; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 86, 1895. Atl. States.

syn. *aracanthusalis* WALKER.

3059. **asopialis** GUENÉE, Spec. Gén., viii, 96, 1854; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 87, 1895. Atl. States.

CAPIS Grote.

GROTE, Can. Ent., xiv, 20, 119, 1882; SMITH, Bull. 48, U. S. Nat. Mus., 88, 1895.

3060. **curvata** GROTE, Can. Ent., xiv, 20, 1882; SMITH, C. 386. No. Atl. States.

SALIA Hübner.

HÜBNER, Verz. bek. Schmett., 338, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 89, 1895.

3061. **salicalis** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 122, 1776; WALKER, Cat. Brit. Mus., xvi, 19, 1858; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2790, 1901. Tex., Eur.

syn. *salicis* SMITH, Bull. 48, U. S. Nat. Mus., 91, 1895.

3062. **interpuncta** GROTE, Trans. Am. Ent. Soc., iv, 93, 1872; SMITH, C. 384; Bull. 48, U. S. Nat. Mus., 90, 1895. Atl. States, Ariz. •

syn. *saligna* ZELLER, *rufa* GROTE, Can. Ent., xv, 31, 1883; SMITH, C. 384.

LOMANALTES Grote.

GROTE, Bull. Buff. Soc., i, 13, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 109, 1895.

3063. **eductalis** WALKER, Cat. Brit. Mus., xvi, 36, 1859; SMITH, C. 390. Atl. States.

syn. *lætulus* GROTE.

BOMOLOCHA Hübner.

HÜBNER, Verz. bek. Schmett., 343, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 91, 1895.

3064. **manalis** WALKER, Cat. Brit. Mus., xvi, 33, 1859; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 95, 1895. Atl. States.

3065. **baltimoralis** GUENÉE, Spec. Gén., viii, 34, 1854; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 96, 1895. Atl. States.

syn. *benignalis* WALKER, *laciniosa* ZELLER.

3066. **bijugalis** WALKER, Cat. Brit. Mus., xvi, 32, 1859; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 97, 1895. Atl. States.

syn. *fecialis* GROTE, *pallialis* ZELLER.

3067. **scutellaris** GROTE, Can. Ent., v, 225, 1873; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 98, 1895. Atl. States.

3068. **abalinealis** WALKER, Cat. Brit. Mus., xvi, 31, 1859; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 100, 1895. Atl. States.

3069. **madefactalis** GUENÉE, Spec. Gén., viii, 35, 1854; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 102, 1895. Atl. States.

syn. *achatinalis* ZELLER; SMITH, C. 391; *damnosalis* WALKER, *caducalis* WALKER, Cat. Brit. Mus., xvi, 35, 1859; SMITH, C. 393; *profecta* GROTE.

3070. **sordidula** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 392; Bull. 48, U. S. Nat. Mus., 103, 1895. Atl. States.

- *3071. **mitographa** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 392. Ala.

3072. **toreuta** GROTE, Trans. Am. Ent. Soc., iv, 24, 1872; SMITH, C. 392; Bull. 48, U. S. Nat. Mus., 105, 1895. Atl. States.

syn. *albissignalis* ZELLER.

3073. **deceptalis** WALKER, Cat. Brit. Mus., xvi, 30, 1859; SMITH, C. 393; Bull. 48, U. S. Nat. Mus., 101, 1895. Atl. States.

syn. *perangulalis* HARV

3074. **edictalis** WALKER, Cat. Brit. Mus., xvi, 28, 1859; SMITH, C. 393; Bull. 48, U. S. Nat. Mus., 106, 1895. Atl. States.
syn. lentiginosa GROTE, *vellifera* GROTE.
3075. **citata** GROTE, Trans. Am. Ent. Soc., iv, 101, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 107, 1895. Atl. States.
syn. trituberalis ZELLER, *idæusalis* SMITH (not WALKER), C. 392.
3076. **umbralis** SMITH, Bull. Brook. Ent. Soc., vii, 41, 1884; C. 392; Bull. 48, U. S. Nat. Mus., 104, 1895. Fla.
3077. **vega** SMITH, Proc. U. S. Nat. Mus., xxii, 494, 1900. N. Mex.
- *3078. **annulalis** GROTE, Check List Noct., 45, 1876; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 108, 1895. Tex.
- *3078. 1. **idæusalis** WALKER, Cat. Brit. Mus., xix, 839, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 108, 1895. U. S.

PLATHYPENA Grote.

GROTE, Bull. Buff. Soc., i, 38, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 110, 1895.

3079. **scabra** FABRICIUS, Ent. Syst., suppl. 4, 448, 1794; SMITH, C. 395; Bull. 38, U. S. Nat. Mus., 111, 1895. Atl. States.
syn. erectalis GUENÉE, *palpalis* HAWORTH, *crassatus* HAWORTH, *obesalis* STEPHENS.
a. subrufalis GROTE, Trans. Am. Ent. Soc., iv, 102, 1872.

HYPENA Schrank.

SCHRANK, Faun. Boica, ii, 2, 163, 1802; SMITH, Bull. 48, U. S. Nat. Mus., 112, 1895.

3080. **humuli** HARRIS, Cat. Ins. Mass., 74, 1855; SMITH, C. 394; Bull. 48, U. S. Nat. Mus., 112, 1895. Atl. States, Col.
syn. evanidalis ROBINSON, *germanalis* WALKER.
a. olivacea GROTE, Can. Ent., v, 226, 1873.
b. albopunctata TEPPER, Bull. Brook. Ent. Soc., iv, 2, 1881.
3081. **californica** BEHR, Trans. Am. Ent. Soc., iii, 23, 1870; SMITH, C. 394; Bull. 48, U. S. Nat. Mus., 116, 1895. Pac. States.
a. decorata SMITH, Bull. Brook. Ent. Soc., vii, 4, 1884.
3082. **modesta** SMITH, Bull. 48, U. S. Nat. Mus., 117, 1895. Cal.

Family NYCTEOLIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 117, 1893.)

NYCTEOLA Hübner.

HÜBNER, Tent., 2, 1806; KIRBY, Cat. Lep. Het., i, 369, 1892.

3083. **revayana** SCOPOLI, Ann. Nat. Hist., v, 116, 1772; Eur.,
KIRBY, Cat. Lep. Het., i, 369, 1892. U. S.

syn. *ramosana* HÜBNER, *dilutana* HÜBNER,
undulana HÜBNER, *degenerana* HÜBNER,
punctana HÜBNER, *stoninus* CURTIS, *duplana*
FABRICIUS, *viragana* FABRICIUS, *fasciata-*
num RETZIUS, *glaucana* LAMPA.

a. lintnerana SPEYER, Stett. ent. Zeit., xxxv,
170, 1875; NEUMOEGEN & DYAR, C. 117.

b. columbiana HY. EDWARDS, Proc. Cal. Acad.
Sci., v, 184, 1874.

c. cinereana NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 117, 1893.

3084. **proteella** DYAR, Jn. N. Y. Ent. Soc., vi, 40, 1898. Atl. States.

Family PERICOPIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 26, 1894.)

DARITIS Walker.

WALKER, Cat. Brit. Mus., iii, 618, 1855.

3085. **howardi** HY. EDWARDS, Ent. Amer., ii, 165, 1887; Ariz.
NEUMOEGEN & DYAR, C. 26; DRUCE, Biol. Cent.
Am., Lep. Het., ii, 387, 1897.

COMPOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 179, 1822.

3086. **fidellissima** HERRICH-SCHAEFFER, Corr.-Blatt. Fla.,
Reg., xx, 131, 1866; NEUMOEGEN & DYAR, C. 26. Antilles.
syn. *olympia* BUTLER.

GNOPHÆLA Walker.

WALKER, Cat. Brit. Mus., ii, 330, 1854.

3087. **latipennis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), Pac. States,
x, 320, 1852; NEUMOEGEN & DYAR, C. 27. Rocky Mts.

syn. *hopfferi* GROTE & ROBINSON.

a. discreta STRETCH, Surv. W. 100th Mer.,
Wheeler, 802, 1878.

syn. *arizonæ* FRENCH, *morrisoni* DRUCE.

b. vermiculata GROTE & ROBINSON, Proc. Ent.
Soc. Phil., ii, 334, 1863.

syn. *continua* HY. EDWARDS.

3088. **clappiana** HOLLAND, Ent. News, ii, 156, 1891; Col.,
NEUMOEGEN & DYAR, C. 27. Ariz.

Family DIOPTIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111, 1894.)

PHRYGANIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iv, 348, 1864.

3089. **californica** PACKARD, Proc. Ent. Soc. Phil., iv, Cal.
348, 1864; NEUMOEGEN & DYAR, C. 111.

Family NOTODONTIDÆ.

(C.=PACKARD, Monog. Not., Mem. Nat. Acad. Sci., vii, 87-284, 1895.)

APATELODES Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 253, 1864; PACKARD, C. 99.

3090. **torrefacta** SMITH & ABBOT, Lep. Ins. Ga., 151, Atl.
1797; PACKARD, C. 100. States.

a. floridana HY. EDWARDS, Ent. Amer., ii, 13,
1886.

3091. **angelica** GROTE, Proc. Ent. Soc. Phil., iii, 322, Atl.
1864; PACKARD, C. 103. States.

syn. *hyalinopuncta* PACKARD.

a. indistincta HY. EDWARDS, Ent. Amer., ii, 13,
1886.

MELALOPHA Hübner.

HÜBNER, Tent., 1, 1806; PACKARD, C. 123.

3092. **apicalis** WALKER, Cat. Brit. Mus., v, 1058, 1855; U. S.
PACKARD, C. 125.

syn. *van* FITCH, *indentata* PACKARD.

a. ornata GROTE & ROBINSON, Trans. Am. Ent.
Soc., ii, 191, 1868.

syn. *incarcerata* BOISDUVAL.

b. astoriæ HY. EDWARDS, Ent. Amer., ii, 14, 1886.

c. bifria HY. EDWARDS, Ent. Amer., ii, 167, 1886.

3093. **inornata** NEUMOEGEN, Pap., ii, 134, 1882; PACK- Ariz.
ARD, C. 130.

3094. **inclusa** HÜBNER, Zutr. exot. Schmett., 36, 1825; Atl.
PACKARD, C. 131. States.

syn. *americana* HARRIS.

a. inversa PACKARD, Proc. Ent. Soc. Phil., iii,
352, 1864.

syn. *palla* FRENCH.

b. jocosa HY. EDWARDS, Ent. Amer., ii, 10, 1886.

3095. **strigosa** GROTE, Bull. Geol. Serv. Terr., vi, 532, 1882; PACKARD, C. 130. No. Atl. States.
a. luculenta HY. EDWARDS, Ent. Amer., ii, 10, 1886.
3096. **albosigma** FITCH, Second Rept. Ins. N. Y., 274, 1855; PACKARD, C. 138. U. S.
a. specifica DYAR, Can. Ent., xxiv, 180, 1892.
3097. **brucei** HY. EDWARDS, Ent. Amer., i, 17, 1885; No. U. S.
 PACKARD, C. 137.
a. multnoma DYAR, Can. Ent., xxiv, 179, 1892.
 syn. *alethe* NEUMOEGEN & DYAR.

DATANA Walker.

WALKER, Cat. Brit. Mus., v, 1060, 1855; PACKARD, C. 105.

3098. **ministra** DRURY, Ill. Exot. Ent., ii, 25, 1773; Atl. States.
 PACKARD, C. 106.
3099. **californica** DYAR, Ent. Amer., vi, 127, 1890; Cal.
 PACKARD, C. 108.
3100. **angusii** GROTE & ROBINSON, Proc. Ent. Soc. Atl. States.
 Phil., vi, 9, 1866; PACKARD, C. 110.
3101. **drexelii** HY. EDWARDS, Pap., iv, 25, 1884; PACK- Atl. States.
 ARD, C. 112.
3102. **major** GROTE & ROBINSON, Proc. Ent. Soc. Phil., Atl. States.
 vi, 12, 1866; PACKARD, C. 113.
3103. **palmii** BEUTENMÜLLER, Psyche, vi, 297, 1890; Atl. States.
 PACKARD, C. 116.
3104. **floridana** GRAEF, Bull. Brook. Ent. Soc., ii, 37, Fla.
 1879; PACKARD, C. 115.
- *3105. **modesta** BEUTENMÜLLER, Psyche, vi, 297, 1890; Fla.
 PACKARD, C. 117.
3106. **perspicua** GROTE & ROBINSON, Proc. Ent. Soc. Atl. States.
 Phil., iv, 489, 1865; PACKARD, C. 119.
a. messillæ COCKERELL, Psyche, viii, 41, 1897.
- *3107. **robusta** STRECKER, Lep. Rhop. Het., 131, 1872; Tex.
 PACKARD, C. 119.
3108. **integerrima** GROTE & ROBINSON, Proc. Ent. Soc. Atl. States.
 Phil., vi, 12, 1866; PACKARD, C. 120.
3109. **chiriquensis** DYAR, Jn. N. Y. Ent. Soc., iii, 167; Ariz., Mex.
 1895.
3110. **contracta** WALKER, Cat. Brit. Mus., v, 1062, Atl. States.
 1855; PACKARD, C. 122; BEUTENMÜLLER, Ent. News, i, 144, 1890.

HYPERÆSCHRA Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), vi, 65, 1880; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

3111. **stragula** GROTE, Proc. Ent. Soc. Phil., iii, 93, 1864; PACKARD, C. 165; SCHAU, Trans. Ent. Soc. Lond., 330, 1901. U. S.

syn. *scitipennis* WALKER.

a. manitou NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., i, 35, 1893.

b. pacifica BEHR, Proc. Cal. Acad. Sci., (2), iii, 206, 1892.

3112. **georgica** HERRICH-SCHAEFFER, Samml. ausser. Schmett., 66, 1856; PACKARD, C. 153. Atl. States.

3113. **tortuosa** TEPPER, Bull. Brook. Ent. Soc., iv, 2, 1881; PACKARD, C. 153. Col., Ariz.

ODONTOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 145, 1818; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

3114. **elegans** STRECKER, Proc. Acad. Nat. Sci. Phil., 285, 1884; PACKARD, C. 156; SCHAU, Trans. Ent. Soc. Lond., 329, 1901. Rocky Mts., Can.

a. grisea STRECKER, Proc. Acad. Nat. Sci. Phil., 286, 1884; NEUMOESEN & DYAR, Trans. Am. Ent. Soc., xxi, 184, 1894.

syn. *notaria* HY. EDWARDS.

PTILODON Hübner.

HÜBNER, Tent., 1, 1806; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

- *3115. **americana** HARVEY, Can. Ent., ix, 95, 1877; PACKARD, C. 156 (=Eur. sp., *capucina* LINNÆUS?). Atl. States.

NOTODONTA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., ii, 45, 1810; DYAR, Trans. Am. Ent. Soc., xxiv, 15, 1897.

3116. **basitriens** WALKER, Cat. Brit. Mus., v, 1000, 1855; PACKARD, C. 152; SCHAU, Trans. Ent. Soc. Lond., 330, 1901. Atl. States.

3117. **simplaria** GRAEF, Bull. Brook. Ent. Soc., iii, 95, 1881; PACKARD, C. 167. No. Atl. States.

PHEOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 145, 1816; PACKARD, C. 157.

3118. **dimidiata** HERRICH-SCHAEFFER, Ausser. Schmett., 66, 1856; PACKARD, C. 158; SCHAU, Trans. Ent. Soc. Lond., 331, 1901. Atl. States, Rocky Mts. Can.

syn. *rimosa* PACKARD, *californica* STRETCH.

3119. **portlandia** HY. EDWARDS, Ent. Amer., ii, 168, No. Pac.
1886; PACKARD, C. 158. States.
syn. *descherei* NEUMOEGEN.

LOPHODONTA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 358, 1864; C. 146.

3120. **ferruginea** PACKARD, Proc. Ent. Soc. Phil., iii, Atl.
357, 1864; C. 150; SCHAU, Trans. Ent. Soc. States.
Lond., 330, 1901.
3121. **angulosa** SMITH & ABBOT, Lep. Ins. Ga., 165, Atl.
1797; PACKARD, C. 147. States.

EUNYSTALEA Grote.

GROTE, Abh. natur. Ver. Bremen, xiv, 7, 1895; DYAR, Trans. Am. Ent. Soc., xxiv,
14, 1897.

- *3122. **indiana** GROTE, Pap., iv, 7, 1884; SCHAU, Trans. Fla.
Ent. Soc. Lond., 326, 1901.

NADATA Walker.

WALKER, Cat. Brit. Mus., v, 1062, 1855; PACKARD, C. 141.

3123. **gibbosa** SMITH & ABBOT, Lep. Ins. Ga., ii, 163, U. S.
1797; PACKARD, C. 142.
- a. **doubledayi** PACKARD, Proc. Ent. Soc. Phil.,
iii, 365, 1864.
- b. **rubripennis** NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 24, 1893.
- c. **oregonensis** BUTLER, Ann. Mag. Nat. Hist.,
(5), viii, 317, 1881.
- d. **behrensii** HY. EDWARDS, Ent. Amer., i, 49,
1885.

NERICE Walker.

WALKER, Cat. Brit. Mus., v, 1076, 1855; PACKARD, C. 169.

3124. **bidentata** WALKER, Cat. Brit. Mus., v, 1076, Atl.
1855; PACKARD, C. 171; SCHAU, Trans. Ent. States.
Soc. Lond., 267, 1901.

SYMMERISTA Hübner.

HÜBNER, Verz. bek. Schmett., 248, 1816; PACKARD, C. 177.

3125. **albifrons** SMITH & ABBOT, Lep. Ins. Ga., ii, 159, Atl. States,
1797; PACKARD, C. 179. Rocky Mts.
- a. **albicosta** HÜBNER, Eur. Schmett., Noct., f.
440, 1804.
- b. **suavis** BARNES, Can. Ent., xxxiii, 53, 1901.
- *3125. 1. **plagiata** WALKER, Cat. Brit. Mus., xxxii, 427, Can.
1865; NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., ii, 178, 1894 (type lost).

HIPPIA Möschler.

MÖSCHLER, Verh. zool. -bot. Ges. Wien, xxvii, 693, 1878; SCHAUS, Trans. Ent. Soc. Lond., 287, 1901.

3126. **packardii** MORRISON, Ann. Lyc. Nat. Hist. N. Y., Tex.
xi, 92, 1375; PACKARD, C. 183.

DASYLOPHIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 362, 1864; C. 172.

3127. **anguina** SMITH & ABBOT, Lep. Ins. Ga., 167, Atl. States,
1797; PACKARD, C. 174. Col.

syn. *cuculifera* HERRICH-SCHAEFFER, *punctata* WALKER, *cana* WALKER, *signata* WALKER.

a. puntagorda SLOSSON, Can. Ent., xxiv, 129, 1892.

b. saturata BARNES, Can. Ent., xxxiii, 53, 1901.

3128. **thyatiroides** WALKER, Trans. Ent. Soc. Lond., Atl. States.
(3), i, 79, 1862; PACKARD, C. 177.

syn. *interna* PACKARD, *tripartita* WALKER.

- *3129. **seriata** DRUCE, Biol. Cent. Am., Lep. Het., i, Ariz.,
235, 1887. Mex.

syn. *melanopa* BARNES, Can. Ent., xxxiii, 54, 1901.

LITODONTA Harvey.

HARVEY, Can. Ent., viii, 5, 1876; PACKARD, C. 220.

3130. **hydromeli** HARVEY, Can. Ent., viii, 5, 1876; Tex.
PACKARD, C. 253.

a. fusca HARVEY, Can. Ent., viii, 110, 1876.

HETEROCAMPA Doubleday.

DOUBLEDAY, Entom., 97, 1841; PACKARD, C. 220.

- *3131. **lineata** DRUCE, Biol. Cent. Am., Lep. Het., i, pl. Mex.,
25, f. 11, 1887. Fla. ?

3132. **astarte** DOUBLEDAY, Ent., 57, 1841; PACKARD, C. So.
247; SCHAUS, Trans. Ent. Soc. Lond., 302, 1901. States.

syn. *varia* WALKER, *menas* HARRIS.

3133. **obliqua** PACKARD, Proc. Ent. Soc. Phil., iii, 368, No. Atl.
1864; C. 242. States.

a. trouvelottii PACKARD, Proc. Ent. Soc. Phil., iii, 368, 1864.

syn. *brunnea* GROTE & ROBINSON.

3134. **picta** FELDER, Reise Nov., pl. 97, f. 19, 1874; So.
SCHAUS, Trans. Ent. Soc. Lond., 303, 1901. States.
syn. *chapmani* GROTE, Bull. U. S. Geol. Surv.
Terr., vi, 258, 1891; PACKARD, C. 251; *perol-*
ivata PACKARD, Mem. Nat. Acad. Sci., vii,
246, 1895.
3135. **lunata** HY. EDWARDS, Pap., iv, 64, 1884; PACK- Ariz.,
ARD, C. 248. Mex.
syn. *plumosa* HY. EDWARDS.
3136. **umbrata** WALKER, Cat. Brit. Mus., v, 1023, 1855; Atl.
PACKARD, C. 249; SCHAUS, Trans. Ent. Soc. States.
Lond., 302, 1901 (*pulverea* sp. distinct).
syn. *semiplaga* WALKER, *pulverea* GROTE &
ROBINSON, *athereo* HARRIS.
3137. **manteo** DOUBLEDAY, Ent., 58, 1841; PACKARD, C. Atl.
224; DYAR, Ent. News, iv, 262, 1893. States.
syn. *cinerascens* WALKER, *subalbicans* GROTE.
3138. **subrotata** HARVEY, Bull. Buff. Soc., i, 263, 1874; Tex.
PACKARD, C. 252.
syn. *celtiphaga* HARVEY, *superba* HY. EDWARDS.
3139. **belfragei** GROTE, Can. Ent., xi, 209, 1879; PACK- Tex.
ARD, C. 250.
3140. **biundata** WALKER, Cat. Brit. Mus., v, 1025, 1855; Atl.
PACKARD, C. 235. States.
syn. *olivatus* PACKARD, *mollis* WALKER.
3141. **guttivitta** WALKER, Cat. Brit. Mus., v, 992, 1855; Atl.
PACKARD, C. 230. States.
syn. *albiplaga* WALKER, *mucorea* HERRICH-
SCHAEFFER, *harrisii* PACKARD, *intedermi-*
nata WALKER, *doubledayi* SCUDDER, *cinereus*
PACKARD.
3142. **bilineata** PACKARD, Proc. Ent. Soc. Phil., iii, 359, Atl.
1864; C. 218. States.
syn. *turbida* WALKER, *associata* WALKER, *ulmi*
HARRIS.

MISOGADA Walker.

WALKER, Cat. Brit. Mus., xxxii, 449, 1865; SCHAUS, Trans. Ent. Soc. Lond., 300, 1901.

3143. **unicolor** PACKARD, Proc. Ent. Soc. Phil., iii, 373, Atl.
1864; C. 254. States.
syn. *marina* PACKARD, *cinerea* SCHAUS (not
PACKARD), *sobria* WALKER.

EUHYPARPAX Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., v, 19, 1893; PACKARD, C. 187.

- *3144. **rosea** BEUTENMÜLLER, Bull. Am. Mus. Nat. Col.
Hist., v, 19, 1893; PACKARD, C. 188.

IANASSA Walker.

WALKER, Cat. Brit. Mus., v, 1101, 1855; PACKARD, C. 188; *Dicentria* HERRICH-SHAEFFER, Ausser. Schmett., i, 11, 1855; SCHAU, Trans. Ent. Soc. Lond., 296, 1901.

3145. **lignicolor** WALKER, Cat. Brit. Mus., v, 1101, 1855; PACKARD, C. 189. Atl. States.

syn. *virgata* PACKARD, *lignigera* WALKER.

3146. **coloradensis** HY. EDWARDS, Ent. Amer., i, 17, 1885; PACKARD, C. 210. Col., N. Mex.

3147. **pallida** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col., Oreg.

SCHIZURA Doubleday.

DOUBLEDAY, Ent., 59, 1841; PACKARD, C. 192.

3148. **ipomœæ** DOUBLEDAY, Ent., 59, 1841; PACKARD, C. 194. U. S.

syn. *biguttatus* PACKARD, *confusa* WALKER, *ducens* WALKER, *corticea* WALKER, *compta* WALKER, *nigrosignata* WALKER.

a. telifer GROTE, No. Am. Ent., 99, 1880.

b. cinereofrons PACKARD, Proc. Ent. Soc. Phil., iii, 366, 1864.

syn. *ustipennis* WALKER.

3149. **concinna** SMITH & ABBOT, Lep. Ins. Ga., ii, 169, 1797; PACKARD, C. 212. U. S.

syn. *nitida* PACKARD.

3150. **semirufescens** WALKER, Cat. Brit. Mus., xxxii, 450, 1865; SCHAU, Trans. Ent. Soc. Lond., 296, 1901. Atl. States.

syn. *eximia* GROTE; PACKARD, C. 210.

a. perangulata HY. EDWARDS, Pap., ii, 125, 1882. Col.

3151. **unicornis** SMITH & ABBOT, Lep. Ins. Ga., ii, 170, 1797; PACKARD, C. 203. U. S.

syn. *edmandsii* PACKARD, *humilis* WALKER, *conspecta* HY. EDWARDS.

3152. **apicalis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 15, 1886; PACKARD, C. 203. Atl. States.

3153. **badia** PACKARD, Proc. Ent. Soc. Phil., iii, 361, 1864; C. 208. Atl. States.

syn. *significata* WALKER.

3154. **leptinoides** GROTE, Proc. Ent. Soc. Phil., iii, 323, 1864; PACKARD, C. 199. Atl. States.

syn. *mustelina* PACKARD.

HYPARPAX Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1824; PACKARD, C. 184.

3155. **aurora** SMITH & ABBOT, Lep. Ins. Ga., ii, 173, 1797; PACKARD, C. 184. Atl. States.
 syn. *rosea* WALKER, *venusta* WALKER.
3156. **venus** NEUMOEGEN, Can. Ent., xxiv, 226, 1892; PACKARD, C. 187. Col.
3157. **perophoroides** STRECKER, Proc. Acad. Nat. Sci. Fla. Phil., 152, 1876; PACKARD, C. 187.
 syn. *aurostriata* GRAEF.
a. tyria SLOSSON, Ent. News, v, 198, 1894.
- *3158. **aonides** STRECKER, Lep. Rhop. Het., suppl. 2, 4, 1899. N. Mex.

CERURA Schrank.

SCHRANK, Faun. Boica, ii, 155, 1802; PACKARD, C. 263; DYAR, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3159. **scitascripta** WALKER, Cat. Brit. Mus., xxxii, 408, 1865; PACKARD, C. 276. Atl. States, Mex.
a. multiscripta RILEY, Trans. St. Louis Acad. Sci., iii, 241, 1875.
b. candida LINTNER, Ent. Cont., iv, 57, 1878.
3160. **occidentalis** LINTNER, Ent. Cont., iv, 82, 1878; PACKARD, C. 268. Atl. States.

HARPYIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iii, 19, 1810; DYAR, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3161. **borealis** BOISDUVAL, in Guérin, Icon. Règ. An., pl. 88, f. 5, 1829; PACKARD, C. 264. Atl. States.
3162. **cinerea** WALKER, Cat. Brit. Mus., xxxii, 407, 1865; PACKARD, C. 273. U. S.
a. cinereoides DYAR, Can. Ent., xxii, 253, 1890.
b. placida DYAR, Psyche, vi, 291, 1892.
c. paradoxa BEHR, Bull. Cal. Acad. Sci., 64, 1885.
3163. **nivea** NEUMOEGEN, Can. Ent., xxiii, 124, 1891; PACKARD, C. 273. Ariz., Mont.
a. meridionalis DYAR, Psyche, vi, 291, 1892; KUNZÉ, Jn. N. Y. Ent. Soc., vi, 188, 1898.
3164. **scolopendrina** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 86, 1870; PACKARD, C. 270. No. U. S.
 syn. *aquilonaris* LINTNER.
a. modesta HUDSON, Can. Ent., xxiii, 197, 1891.
b. albicoma STRECKER, Proc. Acad. Nat. Sci. Phil., 284, 1884.

FENTONIA Butler.

BUTLER, Trans. Ent. Soc. Lond., 20, 1881; DYAR, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3165. **marthesia** CRAMER, Pap. Exot., pl. 98, f. A, 1779; Atl.
States.
PACKARD, C. 257.

syn. *tesella* PACKARD, *turbida* WALKER.

- a. elongata* GROTE, Trans. Am. Ent. Soc., i, 182, 1867.

syn. *dorothea* DYAR, Can. Ent., xxviii, 176, 1896.

GLUPHISIA Boisduval.

BOISDUVAL, Ind. Méth., 88, 1840; PACKARD, C. 89.

3166. **septentrionalis** WALKER, Cat. Brit. Mus., v, 1038, U. S.
1855; PACKARD, C. 90.

syn. *clandestina* WALKER, *trilineata* PACKARD.

- a. ridenda* HY. EDWARDS, Ent. Amer., ii, 11, 1886; PACKARD, C. 93.

b. quinquelinea DYAR, Ent. News, iii, 158, 1892.

3167. **wrightii** HY. EDWARDS, Ent. Amer., ii, 11, 1886; S.-W.
U. S.
PACKARD, C. 93.

syn. *albofascia* HY. EDWARDS.

- a. rupta* HY. EDWARDS, Ent. Amer., ii, 12, 1886.

b. formosa HY. EDWARDS, Ent. Amer., ii, 12, 1886.

3168. **severa** HY. EDWARDS, Ent. Amer., ii, 167, 1886; No.
U. S.
PACKARD, C. 96.

a. danbyi NEUMOEGER, Can. Ent., xxiv, 225, 1892.

b. avimacula HUDSON, Ent. News, ii, 155, 1891.

c. slossonii PACKARD, Mem. Nat. Acad. Sci., vii, 97, 1895.

3169. **lintneri** GROTE, Can. Ent., ix, 85, 1877; PACK- No. Atl.
States.
ARD, C. 96.

ELLIDA Grote.

GROTE, Can. Ent., viii, 125, 1876; PACKARD, C. 168.

3170. **caniplaga** WALKER, Cat. Brit. Mus., ix, 1856; Atl.
States.
PACKARD, C. 169.

syn. *transversata* WALKER, *gelida* GROTE.

HEMICERAS Guenée.

GUENÉE, Spec. Gén., vii, 379, 1852; SCHAUS, Trans. Ent. Soc. Lond., 333, 1901.

3171. **cadmia** GUENÉE, Spec. Gén., vii, 383, 1852; So.
States.
SMITH, Bull. 44, U. S. Nat. Mus., 260, 1893.

syn. *obliquilinea* WALKER.

CARGIDA Schaus.

SCHAUS, Trans. Ent. Soc. Lond., 267, 1901.

- *3172. *pyrrha* DRUCE, Biol. Cent. Am., Lep. Het., ii, 459, 1898. Ariz., Mex.

CRINODES Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., i, 11, 1855; SCHAUS, Trans. Ent. Soc. Lond., 276, 1901.

- *3172. 1. *beskei* HÜBNER, Samml. exot. Schmett., ii, 1824; SCHAUS, Trans. Ent. Soc. Lond., 276, 1901. Ariz., Mex.

Family THYATIRIDÆ.

(C.=SMITH, Bull. 44, U. S. Nat. Mus., 27-29, 1893.)

HABROSYNE Hübner.

HÜBNER, Verz. bek. Schmett., 236, 1816; HAMPSON, Moths Ind., i, 178, 1892.

3173. *scripta* GOSSE, Can. Nat., 249, 1840; SMITH, C. 27; DYAR, Can. Ent., xxvii, 129, 1895. No. Atl. States.
- *3174. *chatfeldii* GROTE, Abhl. natur. Ver. Brem., xiv, 10, 1895. No. Pac. States.
3175. *rectangulata* OTTOLENGUI, Ent. News, viii, 25, 1897; WINN, Ent. News, viii, 99, 1897. Atl. States, Rocky Mts.

PSEUDOTHYATIRA Grote.

GROTE, Proc. Ent. Soc. Phil., iii, 539, 1865; SMITH, C. 28.

3176. *cymatophoroides* GUENÉE, Spec. Gén., v, 13, 1852; SMITH, C. 25. Atl. States.
3177. *expultrix* GROTE, Proc. Ent. Soc. Phil., ii, 58, 1863; SMITH, C. 28. Atl. States.

THYATIRA Hübner.

HÜBNER, Verz. bek. Schmett., 236, 1816.

3178. *mexicana* HY. EDWARDS, Pap., iv, 16, 1884. Ariz., Mex.
syn. *superba* BARNES, Can. Ent., xxviii, 55, 1901.

EUTHYATIRA Smith.

SMITH, List. Lep. Bor. Am., 34, 1891; C. 27.

3179. *lorata* GROTE, Pap., i, 75, 1881; SMITH, C. 27. No. Pac. States.
3180. *pudens* GUENÉE, Spec. Gén., v, 13, 1852; SMITH, C. 29; DYAR, Can. Ent., xxvii, 129, 1895. No. Atl. States.
- a. *anticostiensis* GROTE, Can. Ent., xviii, 215, note, 1886.
- b. *pennsylvanica* SMITH, Jn. N. Y. Ent. Soc., x, 34, 1902.

3181. **semicircularis** GROTE, Pap., i, 75, 1881; SMITH, C. 29. No. Pac. States.
- *3182. **candida** SMITH, Ent. Amer., vi, 179, 1890; C. 29. Fla.
- *3183. **tema** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. No. Pac. States.

BOMBYCIA Hübner.

HÜBNER, Tent., 1, 1816; SMITH, C. 29; DYAR, Can. Ent., xxvii, 129, 1895.

- *3184. **improvisa** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 189, 1873; SMITH, C. 29. Pac. States.
syn. *tearlii* HY. EDWARDS.

Family LIPARIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 28-30, 57-60, 1894.)

GYNÆPHORA Hübner.

HÜBNER, Verz. bek. Schmett., 161, 1822; DYAR, Can. Ent., xxix, 15, 1897.

3185. **rossii** CURTIS, Ross Second Voyage, app., 70, 1835; NEUMOEGEN & DYAR, C. 59. Arctic Am.
3186. **grœnlandica** HOMEYER, Zweite deut. Nordp.-Fahrt, ii, 469, 1874; NEUMOEGEN & DYAR, C. 59. Arctic Am.

NOTOLOPHUS Germar.

GERMAR, Syst. Gloss. Prod., 35, 1812; NEUMOEGEN & DYAR, C. 28.

3187. **antiqua** LINNÆUS, Syst. Nat., i, 503, 1758; NEUMOEGEN & DYAR, C. 28. No. U. S. Eur.
syn. *nova* FITCH.
a. badia HY. EDWARDS, Proc. Cal. Acad. Sci., v, 188, 1874; NEUMOEGEN & DYAR, C. 29.
- *3188. **oslari** BARNES, Can. Ent., xxxii, 45, 1900. Col.
syn. *libera* STRECKER, Lep. Rhop. Het., suppl. 3, 29, 1900.

HEMEROCAMPA Dyar.

DYAR, Can. Ent., xxix, 15, 1897.

3189. **vetusta** BOISDUVAL, Ann. Soc. Ent. Fr., x, 322, 1852; NEUMOEGEN & DYAR, C. 29. Cal.
a. cana HY. EDWARDS, Pap., i, 61, 1881.
b. gulosa HY. EDWARDS, Pap., i, 61, 1881.
3190. **leucostigma** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 79, 1797; NEUMOEGEN & DYAR, C. 30. Atl. States.
syn. *leucographa* GEYER, *intermedia* FITCH, *borealis* FITCH, *obliviosa* HY. EDWARDS.

3191. **inornata** BEUTENMÜLLER, Psyche, v, 300, 1890; NEUMOEGEN & DYAR, C. 30; DYAR, Psyche, ix, 143, 1900. Atl. States.

syn. *falcata* SCHAUS, Jn. N. Y. Ent. Soc., iv, 153, 1896; DRUCE, Biol. Cent. Am., Lep. Het., ii, 411, pl. 79, f. 7, 1897.

3192. **definita** PACKARD, Proc. Ent. Soc. Phil., iii, 332, 1864; NEUMOEGEN & DYAR, C. 29. Atl. States.

OLENE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 19, 1823; NEUMOEGEN & DYAR, C. 30.

3193. **achatina** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 77, 1797; NEUMOEGEN & DYAR, C. 57. Atl. States.

syn. *parallela* GROTE & ROBINSON.

a. tephra HÜBNER, Samml. exot. Schmett., i, 1805; NEUMOEGEN & DYAR, C. 57.

syn. *obliquata* GROTE & ROBINSON.

b. cinnamomea GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 6, 1866.

3194. **leucophæa** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 78, 1797; NEUMOEGEN & DYAR, C. 57. Atl. States.

a. basiflava PACKARD, Proc. Ent. Soc. Phil., iii, 332, 1864.

b. atrivenosa PALM, Jn. N. Y. Ent. Soc., i, 21, 1893.

c. manto STRECKER, Lep. Rhop. Het., suppl. 3, 29, 1900.

3195. **plagiata** WALKER, Cat. Brit. Mus., iv, 199, 1855; NEUMOEGEN & DYAR, C. 58. Atl. States.

syn. *atomaria* WALKER, *clintonii* GROTE & ROBINSON.

PORTHETRIA Hübner.

HÜBNER, Verz. bek. Schmett., 160, 1822; NEUMOEGEN & DYAR, C. 58.

3196. **dispar** LINNÆUS, Syst. Nat., i, 501, 1758; FERNALD, Gypsy Moth, 257, 1896. Mass., Eur.

EUPROCTIS Hübner.

HÜBNER, Verz. bek. Schmett., 159, 1822; KIRBY, Cat. Lep. Het., i, 442, 1892; DYAR, Can. Ent., xxix, 16, 1897.

3197. **chrysorrhœa** LINNÆUS, Syst. Nat., 502, 1758; KIRBY, Cat. Lep. Het., i, 442, 1892; FERNALD & KIRKLAND, Brown Tail Moth, Sp. Bull. Mass. Agr. Coll., 1897. Mass., Eur.

DOA Neumoegen & Dyar.

NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 171, 1894.

3198. **ampla** GROTE, Can. Ent., x, 232, 1878; NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., i, 155, 1893. Ariz., Col.

LEUCULODES Dyar.

Leucula HULST (not GUENÉE), Trans. Am. Ent. Soc., xxiii, 317, 1896.

3199. **lacteolaria** HULST, Ent. Amer., ii, 51, 120, 1887. Ariz.

Family LASIOCAMPIDÆ.

(C.=NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 152-160, 1894.)

GLOVERIA Packard.

PACKARD, Rep. Peab. Acad., iv, 89, 1872; NEUMOESEN & DYAR, C. 159.

3200. **dolores** NEUMOESEN & DYAR, Ent. News, iv, 290, 1893; C. 159. Col.
3201. **arizonensis** PACKARD, Rep. Peab. Acad., iv, 90, 1872; NEUMOESEN & DYAR, C. 159. Ariz.
syn. *dentata* HY. EDWARDS.
3202. **medusa** STRECKER, Ent. News, ix, 13, 1898. Cal.
- *3203. **gargamella** STRECKER, Proc. Acad. Nat. Sci. Phil., 286, 1884; NEUMOESEN & DYAR, C. 159. Ariz.
3204. **psidii** SALLÉ, Ann. Soc. Ent. Fr., (2), v, 16, 1857; KIRBY, Cat. Lep. Het., 834, 1892. Ariz., Mex.
3205. **diazoma** GROTE, Pap., i, 175, 1881; NEUMOESEN & DYAR, C. 159. Ariz.
3206. **howardi** DYAR, Jn. N. Y. Ent. Soc., iv, 22, 1896. Ariz.

ARTACE Walker.

WALKER, Cat. Brit. Mus., vi, 1491, 1855.

3207. **punctistriga** WALKER, Cat. Brit. Mus., vi, 1491, 1855; NEUMOESEN & DYAR, C. 157. So. Atl. States.
syn. *rubripalpis* FELDER.

TOLYPE Hübner.

HÜBNER, Verz. bek. Schmett., 189, 1822; NEUMOESEN & DYAR, C. 157.

3208. **velleda** STOLL, Suppl. Cram. Pap. Exot., pl. lii, f. 4, 1791; NEUMOESEN & DYAR, C. 158. Atl. States.
3209. **glenwoodi** BARNES, Can. Ent., xxiii, 47, 1900. Col.

3210. **distincta** FRENCH, Can. Ent., xxii, 45, 1890; Col.
NEUMOEGEN & DYAR, C. 158.
3211. **laricis** FITCH, Second Report Ins. N. Y., 262, Atl.
1856; NEUMOEGEN & DYAR, C. 158. States.
syn. *minuta* GROTE.
3212. **brevicrista** DYAR, Can. Ent., xxviii, 246, 1895. N. Mex.

HYPOPACHA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 29, 1893.

- *3213. **grisea** NEUMOEGEN, Pap., ii, 134, 1882; NEU- Ariz.
MOEGEN & DYAR, C. 157.

MALACOSOMA Hübner.

HÜBNER, Verz. bek. Schmett., 192, 1822; KIRBY, Cat. Lep. Het., i, 819, 1892; DYAR,
Can. Ent., xxx, 6, 1898.

3214. **americana** FABRICIUS, Syst. Ent., iii, 433, 1793; Atl.
NEUMOEGEN & DYAR, C. 155. States.
syn. *decipiens* WALKER, *frutetorum* BOIS-
DUVAL.
3215. **fragilis** STRETCH, Pap., i, 64, 1881; NEUMOEGEN Rocky Mts.
& DYAR, C. 155. to Cal.
a. incurva HY. EDWARDS, Pap., ii, 125, 1882.
syn. *discolorata* NEUMOEGEN.
b. mus NEUMOEGEN, Can. Ent., xxv, 4, 1893.
c. constrictina NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 30, 1893.
syn. *lutescens* NEUMOEGEN & DYAR.
d. perlutea NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 31, 1893.
3216. **pluvialis** DYAR, Can. Ent., xxv, 42, 1893; NEU- No. Pac.
MOEGEN & DYAR, C. 156. States.
3217. **ambisimilis** DYAR, Can. Ent., xxv, 40, 1893; Cal.
NEUMOEGEN & DYAR, C. 156.
3218. **californica** PACKARD, Proc. Ent. Soc. Phil., iii, Cal.
357, 1864; NEUMOEGEN & DYAR, C. 156.
syn. *pseudoneustria* BOISDUVAL.
3219. **constricta** STRETCH, Pap., i, 65, 1881; NEU- Cal.
MOEGEN & DYAR, C. 157.
syn. *californica* WALKER (not PACKARD).
a. strigosa STRETCH, Pap., i, 67, 1881.

3220. **tigris** DYAR, Proc. Ent. Soc. Wash., v, 38, 1902. Rocky Mts.
3221. **disstria** HÜBNER, Verz. bek. Schmett., 122, 1822; U. S.
NEUMOEGEN & DYAR, C. 154.
syn. *drupacearum* BOISDUVAL.
a. sylvatica HARRIS, Rep. Ins. Mass., 271, 1841.
b. thoracicoides NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 30, 1893.
c. erosa STRETCH, Pap., i, 64, 1881.
d. sylvaticoides NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 30, 1893.
e. thoracica STRETCH, Pap., i, 68, 1881.
f. perversa NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 30, 1893.

HETEROPACHA Harvey.

HARVEY, Bull. Buff. Soc. Nat. Sci., i, 262, 1874; NEUMOEGEN & DYAR, C. 153.

3222. **rileyana** HARVEY, Bull. Buff. Soc. Nat. Sci., i, Miss.
262, 1874; NEUMOEGEN & DYAR, C. 154. Vall.

EPICNAPTERA Rambur.

RAMBUR, Cat. Lep. And., 344, 1866; NEUMOEGEN & DYAR, C. 152.

3223. **americana** HARRIS, Rep. Ins. Mass., 273, 1841; U. S.
NEUMOEGEN & DYAR, C. 153.
syn. *occidentis* WALKER, *carpinifolia* BOIS-
DUVAL.
a. ferruginea PACKARD, Proc. Ent. Soc. Phil., iii,
386, 1864; NEUMOEGEN & DYAR, C. 153.
b. roseata STRETCH, Zyg. Bomb. N. A., pl. 4, f.
12, 1872.
syn. *mildei* STRETCH.
c. californica PACKARD, Rep. Peab. Acad., iv, 91,
1872.
d. dyari RIVERS, Can. Ent., xxv, 144, 1893.

Family BOMBYCIDÆ.

BOMBYX Linnæus.

LINNÆUS, Syst. Nat., i, 499, 1758.

3224. **mori** LINNÆUS, Syst. Nat., i, 499, 1758; NEU- (Cultivated.)
MOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 118,
1894.

Family PLATYPTERYGIDÆ.

(C. = NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 61-62, 1894.)

EUDEILINEA Packard.

PACKARD, Rept. Peab. Acad., v, 68, 1873; NEUMOESEN & DYAR, C. 61.

3225. **herminiata** GUENÉE, Spec. Gén., x, 58, 1857; Atl.
NEUMOESEN & DYAR, C. 61. States.
- a. biseriata* PACKARD, Fifth Rept. Peab. Acad.
Sci., 68, 1873.

ORETA Walker.

WALKER, Cat. Brit. Mus., v, 1116, 1855; NEUMOESEN & DYAR, C. 61.

3226. **rosea** WALKER, Cat. Brit. Mus., v, 1164, 1855; Atl.
NEUMOESEN & DYAR, C. 61. States.
- syn. *americana* HERRICH-SCHAEFFER, *formula*
GROTE.
- a. marginata* WALKER, Cat. Brit. Mus., v, 1165,
1855.
3227. **irrorata** PACKARD, Proc. Ent. Soc. Phil., iii, 377, Atl.
1864; NEUMOESEN & DYAR, C. 61. States.
- *3228. **adona** STRECKER, Lep. Rhop. Het., suppl. 3, 30, Fla.
1900.

DREPANA Schrank.

SCHRANK, Fauna Boica, ii, (2), 155, 1802; KIRBY, Cat. Lep. Het., i, 730, 1892.

3229. **arcuata** WALKER, Cat. Brit. Mus., v, 1164, 1855; Atl.
NEUMOESEN & DYAR, C. 62. States.
- syn. *fabula* GROTE.
- a. genicula* GROTE, Proc. Acad. Nat. Sci. Phila.,
59, 1862; NEUMOESEN & DYAR, C. 62.
3230. **siculifer** PACKARD, Rept. Peab. Acad., iv, 87, No. Pac.
1872; NEUMOESEN & DYAR, C. 62. States.

FALCARIA Haworth.

HAWORTH, Lep. Brit., ii, 147, 1809; NEUMOESEN & DYAR, C. 62.

3231. **bilineata** PACKARD, Proc. Ent. Soc. Phil., iii, Atl.
376, 1864; NEUMOESEN & DYAR, C. 62. States.
- a. levis* HUDSON, Can. Ent., xxv, 24, 1893.

Family GEOMETRIDÆ.

By GEORGE D. HULST.

(C.=PACKARD, Mon. Geom., Rept. U. S. Geol. Surv. Terr., Hayden, x, 1876.)

Subfamily DYSPTERIDINÆ.

DYSPTERIS Hübner.

HÜBNER, Verz. bek. Schmett., 286, 1818; HERRICH-SCHAEFFER, Auss. Schmett., i, 27, 1854; GUENÉE, Spec. Gén., ix, 361, 1857; PACKARD, C. 368; HULST, Trans. Am. Ent. Soc., xxiii, 250, 1896.

3232. **abortivaria** HERRICH - SCHAEFFER, Auss. Schmett., f. 346, 1855; PACKARD, C. 368; FRENCH, Trans. Dept. Agr. Ill., xv, 238, 1877. Atl. States.

CYSTEOPTERYX Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 250, 1896.

- *3233. **viridata** PACKARD, Fifth Rept. Peab. Acad. Sci., 56, 1873; C. 182. Atl. States.

NYCTOBIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 251, 1896.

3234. **limitata** WALKER, Cat. Brit. Mus., xxi, 487, 1860; PACKARD, C. 457; HULST, Ent. News, vi, 43, 1895. Atl. States.

syn. *lobophorata* WALKER, Cat. Brit. Mus., xxv, 1347, 1862; *vernata* PACKARD, Fifth Rept. Peab. Acad. Sci., 57, 1873; C. 183; GROTE, Can. Ent., ix, 27, 1877.

3235. **fusifasciata** WALKER, Cat. Brit. Mus., xxv, 1258, 1862; HULST, Ent. News, vi, 43, 1895. Atl. States.

syn. *longipennis* WALKER, Cat. Brit. Mus., xxxv, 1671, 1866; GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 82, 1868; *anguilineata* GROTE, Ann. Lyc. Nat. Hist. N. Y., viii, pl. 15A, f. 16, 1867; PACKARD, C. 184.

- *3236. **nigroangulata** STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Pac. States.

CLADORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 251, 1896.

3237. **atroliturata** WALKER, Cat. Brit. Mus., xxv, 1710, 1862; GROTE & ROBINSON, Tr. Am. Ent. Soc., ii, 83, 1868; HULST, Ent. News, vi, 43, 1895. Atl. States.

syn. *geminata* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 29, 1866; PACKARD, C. 184.

OPHEROPTERA Hübner.

HÜBNER, Verz. bek. Schmett., 321, 1818; PACKARD, C. 197; HULST, Trans. Am. Ent. Soc., xxiii, 151, 1896; *Cheimatobia* STEPHENS, Nom. Brit. Ins., 44, 1829; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 57, 1849.

3238. **boreata** HÜBNER, Schm. Eur., f. 414, 1820; PACKARD, C. 198; DIMMOCK, Psyche, iv, 243, 1885; HULST, Tr. Am. Ent. Soc., xxiii, 252, 1896; HOFMANN, Gross. Sch. Eur., 199, 1894; KIRBY, Eur. Butt., 388, 1882. Arctic No. Am., Eur.

PARAPTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 252, 1896.

- *3239. **danbyi** HULST, Trans. Am. Ent. Soc., xxiii, 252, 1896. No. Pac. States.

RACHELA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 253, 1896.

3240. **bruceata** HULST, Ent. Amer., ii, 123, 1886. No. Atl. States.
3241. **hyperborea** HULST, Trans. Am. Ent. Soc., xxiii, 254, 1896. Alaska.
3242. **occidentalis** HULST, Trans. Am. Ent. Soc., xxiii, 254, 1896. No. Pac. States.
- *3243. **latipennis** HULST, Trans. Am. Ent. Soc., xxiii, 254, 1896. Cal.

Subfamily HYDRIOMENINÆ.

PALEACRITA Riley.

RILEY, Trans. Acad. Sci. St. Louis, iii, 273, 1875; HULST, Trans. Am. Ent. Soc., xxiii, 257, 1896.

- *3244. **longiciliata** HULST, Can. Ent., xxx, 113, 1898. Cal.
3245. **vernata** PECK, Mass. Mag., 323, 415, 1795; PACKARD, C. 402; RILEY, Rep. Ins. Mo., i, 109; ii, 94; vi, 28; vii, 80; viii, 13, 1874; SAUNDERS, Ins. Inj. Fr., 61, 1883; PACKARD, Bull. U. S. Ent. Comm., vii, 61, 1882; RILEY, Rept. U. S. Ent. Comm., iii, 157, 170, 1882; FRENCH, Ill. Rept., vii, 110, 239, 1877; HULST, Ent. Amer., iv, 51, 1888. Atl. States, Col., Cal.
- syn. *sericeiferata* WALKER, Cat. Brit. Mus., xxv, 1697, 1862; PACKARD, C. 454; HULST, Ent. News, vi, 42, 1895; *autumnata* PACKARD, C. 400.
- a. merriccata* DYAR (dark gray, the discal dot large, white, dark edged; other markings broken and reduced).

- *3246. **speciosa** HULST, Can. Ent., xxx, 113, 1898. Col.

ALSOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 320, 1818; STEPHENS, Cat. Brit. Lep., 160, 1850; HULST, Trans. Am. Ent. Soc., xxiii, 257, 1896; *Anisopteryx*, STEPHENS, Cat. 116, 1829; PACKARD, C. 399; KIRBY, Eur. Butt., 356, 1881; HOFMANN, Gr. Schm. Eur., 146, 1894.

3247. **pometaria** HARRIS, Inj. Ins. Mass., 333, 1841; RILEY, Rept. Ins. Mo., ii, 97; vi, 29; vii, 80; viii, 13, 1874; PACKARD, Guide Stud. Ins., 324, 1869; C. 402; MANN, Can. Ent., viii, 164, 1876; JAEGER, N. A. Ins., 175, 1871; SAUNDERS, Ins. Inj. Fr., 65, 1883; RILEY, Rept. U. S. Ent. Comm., iii, 150, 1882; FRENCH, Ill. Rept., vii, 238, 1877; HULST, Ent. Amer., iv, 56, 1888; Ent. News, vi, 42, 1895; HINDS, Can. Ent., xxxiii, 185, 1901; DYAR, Psyche, ix, 262, 1901.
syn. *restituens* WALKER, Cat. Brit. Mus., xxv, 1697, 1862.
- Atl.
States,
Col.

EUDULE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 14, 1825; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 118, 1893; HULST, Trans. Am. Ent. Soc., xxiii, 157, 1896; *Ameria* WALKER, Cat. Brit. Mus., ii, 554, 1854; *Euphanessa* PACKARD, Proc. Ent. Soc. Phil., iii, 102 1864.

3248. **mendica** WALKER, Cat. Brit. Mus., ii, 576, 1854; PACKARD, Proc. Ent. Soc. Phil., iii, 102, 1864; C. 33; SAUNDERS, Can. Ent., iii, 227, 1871; CLEMENS, Proc. Ent. Soc. Phil., i, 543, 1860; RILEY, Rept. Ins. Mo., ix, 6, 1877; Ent. Amer., i, 170, 1885; SMITH, Ent. Amer., i, 179, 1885; BUTLER, Trans. Ent. Soc. Lond., 371, 1877; HULST, Ent. Amer., i, 167, 1885, ii, 221, 1887; STRETCH, Zyg. Bomb. N. A., 53, 1872; LUCOCK, Can. Ent., xxx, 248, 1898; DYAR, Psyche, ix, 189, 1901.
syn. *biseriata* HERRICH-SCHAEFFER, Auss. Schm., f. 441, 1858.
- Atl.
States.

3249. **meridiana** SLOSSON, Ent. Amer., v, 7, 1889.
- So. Atl.
States.

- *3250. **hyalina** HULST, Can. Ent., xxx, 114, 1898.
- Ariz.

3251. **unicolor** ROBINSON, Ann. N. Y. Lyc. Nat. Hist., ix, 153, 1869; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 118, 1893.
- Tex.,
Col.,
Ariz.

EUCESTIA Hübner.

HÜBNER, Verz. bek. Schmett., 322, 1818; MEYRICK, Trans. Ent. Soc. Lond., 69, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 259, 1896; *Lithostege* HÜBNER, Verz. bek. Schmett., 337, 1818; *Aplocera* STEPHENS, Cat. 141, 1829; *Anaitis* DUPONCHEL, Hist. Nat., viii, 350, 1829; *Chesias* DUPONCHEL, Hist. Nat., viii, 497, 1829; HOFMANN, Gr. Schm. Eur., 197, 1894.

- *3252. **rotundata** PACKARD, Sixth Rept. Peab. Acad. Sci., 39, 1874; C. 196.
- Cal.,
Ariz.
- n. arizonata* GROTE, Can. Ent., xv, 126, 1883.

PHILOPSIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 259, 1896.

3253. **nivigerata** WALKER, Cat. Brit. Mus., xxiv, 1259, 1862; PACKARD, C. 185; HULST, Ent. News, vi, 43, 1895. U. S.
syn. *inæqualiata* PACKARD, C. 180.

AGIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 159, 1896.

- *3254. **eborata** HULST, Trans. Am. Ent. Soc., xxiii, 260, 1896. Atl. States.

TALLEDEGA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 260, 1896.

3255. **montanata** PACKARD, Sixth Rept. Peab. Acad. Sci., 40, 1874; C. 181. No. U. S.
syn. *nocticolata* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881.

3256. **tabulata** HULST, Trans. Am. Ent. Soc., xxiii, 26, 1896. N.-W. U. S.

SCELIDACANTHA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 261, 1896.

3257. **triseriata** PACKARD, Sixth Rept. Peab. Acad. Sci., 39, 1874; C. 195. Col.

3258. **virginata** GRAEF, Bull. Brook. Ent. Soc., iii, 96, 1880. Col., Ariz., Cal.

CARSIA Hübner.

HÜBNER, Verz. bek. Schmett., 336, 1818; GUENÉE, Spec. Gén., ix, 493, 1857; MEY-RICK, Trans. Ent. Soc. Lond., 69, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 261, 1896; *Larissa* CURTIS, Brit. Ent., vii, 324, 1830; *Celma* STEPHENS, Ill. Brit. Ent., Haust., iii, 242, 1831.

3259. **paludata** THUNBERG, Mus. Acad. Nat., 76, 1788; PACKARD, C. 186; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884; HOFMANN, Gr. Schm. Eur., 197, 1894. Arctic Am., Eur.

syn. *sororiata* HÜBNER, *sororaria* HERRICH-SCHAEFFER, *primaria* EVERSMAAN, Bull. Mosc., ii, 639, 1851; *boreata* PACKARD, *alpina* PACKARD.

- a. imbutata* HÜBNER, Schm. Eur., pl. 68, f. 405, 1796; PACKARD, C. 186; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 43, 1849.

NANNIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 262, 1896.

3260. **refusata** WALKER, Cat. Brit. Mus., xxiii, 891, 1861; HULST, Ent. News, vi, 43, 1895. No. Atl. States.
 syn. *harvejata* PACKARD, C. 193.
- *3261. **morensata** HULST, Trans. Am. Ent. Soc., xxiii, 262, 1896. Miss. Vall.

HETEROPHLEPS Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 62, 1854; PACKARD, C. 192.

3262. **triguttaria** HERRICH - SCHAEFFER, Ausser. U. S.
 Schmett., f. 202, 1854; PACKARD, C. 193.
 syn. *quadrinotata* WALKER, Cat. Brit. Mus., xxvi, 1759, 1862; HULST, Ent. News, vi, 105, 1895; SCHAUUS, Proc. Zool. Soc. Lond., 647, 1896; *hexaspilata* WALKER, Cat. Brit. Mus., xxxv, 1653, 1866; HULST, Ent. News, vi, 42, 1895.

CHLOROCLYSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 323, 1818; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896.

- *3263. **inconspicua** HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. Cal.

GYMNOCELIS Mabilie.

MABILLE, Ann. Soc. Ent. Fr., 77, 1869; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896.

- *3264. **inferior** HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. Cal.

- *3265. **gypsata** GROTE, Can. Ent., xiv, 188, 1882. Ariz.

3266. **desperata** HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. Tex.

3267. **minuta** HULST, Trans. Am. Ent. Soc., xxiii, 265, 1896. So. Cal.

TEPHROCLYSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 323, 1818; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 265, 1896; *Dyscymatoge* HÜBNER, *Tarachia* HÜBNER, *Arcyonia* HÜBNER, *Leucocora* HÜBNER, *Eupithecia* CURTIS, Brit. Ent., ii, 64, 1825; PACKARD, C. 47; v. GUMPPENBERG, Nov. Act. Halle, lii, 153, 1888; MEYRICK, Trans. Ent. Soc. Lond., 192, 1892; *Nycterosea* HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896.

- *3268. **misturata** HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. U. S.

3269. **nebulosa** HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. Atl. States.
- *3270. **scriptaria** HERRICH-SCHAEFFER, Schm. Eur., iii, 121, 1847; GUENÉE, Spec. Gén., ix, 312, 1857; MÖSCHLER, Stett. ent. Zeit., 122, 1883; v. GUMPPENBERG, Nov. Act. Halle, lii, 180, 1888; HOFMANN, Gross. Schm. Eur., 215, 1894. Lab.
3271. **implicata** WALKER, Cat. Brit. Mus., xxiv, 1241, 1862; PACKARD, C. 64; HULST, Ent. Amer., iii, 114, 1887; Ent. News, vi, 70, 1895. N.-E., U. S.
- . 3272. **luteata** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867; C. 57; v. GUMPPENBERG, Nov. Act. Halle, lii, 252, 1888. No. Atl. States.
syn. *palpata* PACKARD, Fifth Report Peab. Acad. Sci., 58, 1873; C. 57.
- *3273. **hyperboreata** STAUDINGER, Stett. ent. Zeit., 400, 1861; v. GUMPPENBERG, Nov. Act. Halle, lii, 187, 1888. Greenl.
- *3274. **edna** HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. Col.
- *3275. **subcolorata** HULST, Can. Ent., xxx, 114, 1898. Ariz.
3276. **ornata** HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. Rocky Mts., No. Cal.
3277. **miserulata** GROTE, Proc. Ent. Soc. Phil., ii, 32, 1863; PACKARD, C. 52; Bull. U. S. Ent. Comm., vii, 248, 1881; COQUILLETT, Pap., i, 56, 1881; RILEY, Ins. Life, iii, 345, 1891; HULST, Ent. News, vi, 70, 1895; v. GUMPPENBERG, Nov. Act. Halle, lii, 173, 1888. Atl. States.
a. **californiata** v. GUMPPENBERG, Nov. Act. Halle, lii, 174, 1888. Cal.
- *3278. **interruptofasciata** PACKARD, Fifth Rept. Peab. Acad. Sci., 59, 1873; C. 52; COQUILLETT, Ill. Rept., xi, 23, 1881; Pap., i, 56, 1881; SAUNDERS, Ins. Inj. Fr., 352, 1885; v. GUMPPENBERG, Nov. Act. Halle, lii, 174, 1888. Atl. States.
- *3279. **leucata** HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. Rocky Mts.
3280. **niveifascia** HULST, Can. Ent., xxx, 115, 1898. N. Mex., Oreg.
- *3281. **inornata** HULST, Trans. Am. Ent. Soc., xxiii, 276, 1896. Atl. States.

- *3282. **albicapitata** PACKARD, C. 48; v. GUMPPENBERG, Nov. Act. Halle, lii, 254, 1888. Can., Col.
- *3283. **insolabilis** HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901. Ariz.
3284. **rotundopuncta** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 395, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 245, 1888. N. Mex., Cal.
 syn. *rotundopunctata* PACKARD, C. 55.
- *3285. **annulata** HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. Cal.
- *3286. **borealis** HULST, Can. Ent., xxx, 114, 1898. Manitoba.
- *3287. **latipennis** HULST, Can. Ent., xxx, 114, 1898. Can.
3288. **plumbaria** HULST, Can. Ent., xxxii, 112, 1900. Atl. States.
- *3289. **flavigutta** HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. Col.
- *3290. **coloradensis** HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. Col.
- *3291. **sierræ** HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. Col.
- *3292. **cretata** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Cal.
- *3293. **brunneipennis** HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896. Cal.
3294. **absinthiata** CLERCK, Icones, vi, 9, 1759; LINNÆUS, Faun. Suec., 339, 1761; HÜBNER, Schmett. Eur., 453, 1820; v. GUMPPENBERG, Nov. Act. Halle, lii, 246, 1888; HOFMANN, Gr. Schm. Eur., 218, 1894. U. S., Eur.
 syn. *minutata* TREITSCHKE, Schm. Eur., vi, (2), 105, 1828; *notata* STEPHENS, Ill., iii, 286, 1831; *elongata* HAWORTH, Brit. Ent., 358, 1829; *absynthiata* GUENÉE, Spec. Gén., ix, 340, 1857; CREWE, Ent. Ann., 140, 1861; SNELLEN, Tidj. v. Ent., 137, 1866; PACKARD, C. 49; GOODELL, Can. Ent., ix, 62, 1877; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 319, 1884; *coagulata* GUENÉE, *geminata* PACKARD.
3295. **fumosa** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Atl. States.
3296. **longipalpata** PACKARD, Geom. Moths., C. 56, 1876. Pac. States.

- *3297. *mæstosa* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Col.
- *3297. 1. *lachrymosa* HULST, Can. Ent., xxxii, 103, 1900. Oreg.
- *3298. *nimbicolor* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. No. Rocky Mts., Cal.
3299. *perfusca* HULST, Can. Ent., xxx, 116, 1898. Utah, Wash.
3300. *zygænidata* PACKARD, C. 51; v. GUMPPENBERG, Nov. Act. Halle, lii, 249, 1888. Atl. States, Col.
3301. *plenoscripta* HULST, Can. Ent., xxxii, 103, 1900. Wyo.
3302. *nimbosa* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Cal., Ariz.
- *3302. 1. *bolteri* HULST, Can. Ent., xxxii, 102, 1900. Tex.
- *3303. *longidens* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col.
- *3303. 1. *tenebrescens* HULST, Can. Ent., xxxii, 103, 1900. Tex.
- *3304. *multistrigata* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col., Utah.
- *3305. *multiscripta* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col.
- *3306. *laisata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Cal.
- *3307. *stellata* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col.
3308. *flebilis* HULST, Proc. Wash. Acad. Sci., ii, 497, 1900. Alaska.
- *3309. *obscurior* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Cal.
3310. *bivittata* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Cal.
- *3311. *golgata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Nev.
3312. *behrensata* PACKARD, C. 59; HULST, Ent. Amer., iv, 49, 1886. Cal.
- *3313. *unicolor* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Col., Cal.
3314. *subapicata* GUENÉE, Spec. Gén., ix, 331, 1857; PACKARD, C. 62; GROTE, Can. Ent., xv, 27, 1883; v. GUMPPENBERG, Nov. Act. Halle, lii, 240, 1888. Cal.
syn. *occidentalis* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 404, 1871.

3315. **acutipennis** HULST, Can. Ent., xxx, 115, 1898. Cal.
3316. **cestata** HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Cal.
- *3317. **nevadata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 395, 1871; C. 61; v. GUMPPENBERG, Nov. Act. Halle, lii, 229, 1888. Pac. States.
- *3318. **implorata** HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896. Cal.
3319. **raveocostaliata** PACKARD, C. 60; v. GUMPPENBERG, Nov. Act. Halle, lii, 217, 1888. Pac. States.

CYSTEOPHORA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901.

3320. **pervertipennis** HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901; DYAR, Proc. Ent. Soc. Wash., iv, 457, 1901. Fla.

EUCYMATOGE Hübner

HÜBNER, Verz. bek. Schmett., 325, 1818; MEYRICK, Trans. Ent. Soc. Lond., 67, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896; *Hypepirritis* HÜBNER, *Orthonana* HÜBNER, *Horisma* HÜBNER, Verz. bek. Schmett., 329, 331, 1818; *Phibalapteryx* STEPHENS, Cat., 138, 1829; PACKARD, C. 168; *Collix* GUENÉE, Spec. Gén., x, 357, 1857; KIRBY, Eur. Butt., 368, 1882.

3321. **tenuata** HULST, Bull. Brook. Ent. Soc., iii, 45, 1880. Col.
- *3322. **gelidata** MÖSCHLER, Wien ent. Monats., iv, 47, 1860; Stett. ent. Zeit., 122, 1883; PACKARD, C. 64; STAUDINGER, Cat. Lep. Eur., 195, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 201, 1888. Labr.
3323. **anticaria** WALKER, Cat. Brit. Mus., xxv, 1241, 1862; PACKARD, C. 64; HULST, Ent. News, vi, 70, 1895. Atl. States.
- syn. *explanata* WALKER, Cat. Brit. Mus., xxv, 1242, 1862; PACKARD, C. 64; HULST, Ent. News, vi, 70, 1895; *strattonata* PACKARD, Fifth Rept. Peab. Acad. Sci., 60, 1883; C. 58; v. GUMPPENBERG, Nov. Act. Halle, lii, 230, 1888.
- *3324. **graefii** HULST, Trans. Am. Ent. Soc., xxiii, 273, 1896. Wash.

3325. **grandis** HULST, Trans. Am. Ent. Soc., xxxii, 273, 1896. Wash., Oreg.

- *3326. *gillei* HULST, Can. Ent., xxx, 116, 1898. Col.
3327. *intestinata* GUENÉE, Spec. Gén., ix, 432, 1857; U. S.
PACKARD, C. 170; HULST, Ent. News, vi, 43,
1895; v. GUMPPENBERG, Nov. Act. Halle, lii,
153, 1888.
syn. *impleta* WALKER, Cat. Brit. Mus., xxxv,
1683, 1866; *indoctrinata* WALKER, Cat. Brit.
Mus., xxvi, 1722, 1862. •
- *3328. *vitalbata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Can.,
Wien, 109, 1776; HÜBNER, Schmett. Eur., 269, Eur.
1820; TREITSCHKE, Eur. Schmett., vi, (2), 66,
1828; DUPONCHEL, Hist. Nat., viii, 197, 1838;
GUENÉE, Spec. Gén., ix, 437, 1857; WALKER,
Cat. Brit. Mus., xxv, 1337, 1862; HULST, Trans.
Am. Ent. Soc., xxiii, 272, 1896; v. GUMPPEN-
BERG, Nov. Act. Halle, lii, 145, 1888; HOF-
MANN, Gr. Schmett. Eur., 210, 1894.

VENUSIA Curtis.

CURTIS, Brit. Ent., 759, 1839; MEYRICK, Trans. Ent. Soc. Lond., 75, 1892; HULST,
Trans. Am. Ent. Soc., xxiii, 273, 1896.

3329. *cambrica* CURTIS, Brit. Ins., xvi, 1839; WOOD, U. S.,
Ind. Ent., suppl., 1724, 1839; LEDERER, Verh. Eur.
zool.-bot. Ges. Wien, xix, 101, 1853; HULST,
Ent. News, vi, 70, 1895; HOFMANN, Gr. Schm.
Eur., 204, 1894.
syn. *cambricaria* GUENÉE, Spec. Gén., ix, 440,
1857; PACKARD, C. 85; MÖSCHLER, Verh.
zool.-bot. Ges. Wien, 303, 1884; *erutaria*
DUPONCHEL, Hist. Nat., suppl., 4, 1842;
BOISDUVAL, Ind. Méth., 203, 1840; HER-
RICH-SCHAEFFER, Schm. Eur., 258, 1856;
nebulosaria FREYER, Beit. Ges. Eur. Schm.,
546, 1831; *scitularia* WALKER, Cat. Brit.
Mus., xxi, 406, 1860; HULST, Ent. Amer.,
iii, 114, 1887.
3330. *duodecemlineata* PACKARD, Proc. Bost. Soc. Nat. U. S.
Hist., xvi, 19, 1874; C. 84; BUTLER, Pap., i, 222,
1881.
3331. *comptaria* WALKER, Cat. Brit. Mus., xxi, 406, 1860; Atl.
HULST, Ent. News, vi, 70, 1895. States.
syn. *condensata* WALKER, Cat. Brit. Mus., xxv,
1273, 1862; PACKARD, C. 166; *inclinataria*
WALKER, Cat. Brit. Mus., xxvi, 1727, 1862;
inclinata HULST, Sm. List Lep. Bor. Am.,
no. 3929, 1891; *perlineata* PACKARD, Proc.
Bost. Soc. Nat. Hist., xvi, 19, 1874; C. 83.

EUCHŒCA Hübner.

HÜBNER, Verz. bek. Schmett., 298, 1818; MEYRICK, Trans. Ent. Soc. Lond., 74, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 274, 1896; MEYRICK, Proc. Linnæan Soc. N. S. Wales, ii, 811, 1887; *Hydralia* HÜBNER, Verz. bek. Sch., 322, 1818; KIRBY, Eur. Butt., 389, 1882; *Trichodezia* WARREN, Nov. Zool., ii, 119, 1895.

3332. **albovittata** GUENÉE, Spec. Gén., ix, 520, 1857; Atl. States
PACKARD, C. 189; HULST, Ent. News, vi, 42, 1895. to Alaska.

syn. *propriaria* WALKER, Cat. Brit. Mus., xxv, 1293, 1862; *reciprocata* WALKER, Cat. Brit. Mus., xxv, 1294, 1862.

a. albofasciata GROTE, Proc. Ent. Soc. Phil., ii, 66, 1863; Trans. Kans. Acad. Sci., viii, 51, 1878; Can. Ent., viii, 28, 1876; PACKARD, C. 166.

3333. **californiata** PACKARD, Proc. Bost. Soc. Nat. Hist., Pac.
xiii, 404, 1871; C. 189. States.

3334. **cretacea** PACKARD, Sixth Rept. Peab. Acad. Sci., U. S.
40, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 3, 1874; C. 63; BUTLER, Pap., i, 223, 1881; v. GUMPPENBERG, Nov. Act. Halle, lii, 249, 1888.

3335. **lucata** GUENÉE, Spec. Gén., ix, 437, 1857; PACK- Ill.,
ARD, C. 326. Man.

- *3336. **albifera** WALKER, Cat. Brit. Mus., xxxv, 1625, Atl.
1866; HULST, Ent. News, vi, 105, 1895. States.

syn. *albogilvaria* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 194, 1874; PACKARD, C. 325; *triseriata* PACKARD, Sixth Rept. Peab. Acad. Sci., 50, 1874; C. 325.

a. brunneifasciata PACKARD, C. 324, 1876.

EPIRRITA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 82; HULST, Trans. Am. Ent. Soc., xxiii, 274, 1896; *Asthenia* HÜBNER, Verz. bek. Schmett., 310, 1818; PACKARD, C. 324; MEYRICK, Trans. Ent. Soc. Lond., 74, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 274, 1896; *Oporina* HÜBNER, Verz. bek. Schmett., 321, 1818; *Minoa* TREITSCHKE, Schm. Eur., vi, (2), 248, 1827; STAUDINGER, Cat. Lep. Eur., 178, 1871; v. GUMPPENBERG, Nov. Act. Halle, xlix, 365, 1887; *Oporabia* STEPHENS, Ills., iii, 273, 1831; GUENÉE, Spec. Gén., ix, 261, 1857.

3337. **dilutata** DENIS & SCHIFFERMÜLLER, Syst. Verz. Atl.
Wien, 109, 1776; PACKARD, C. 87; FITCH, Fifth States,
Rept. Ins. N. Y., 842, 1858; BRUCE, Pap., ii, 82, Col.,
1882; HOFMANN, Gr. Sch. Eur., 205, 1894. Eur.

syn. *dilutaria* FREYER, *impluriata* BORKHAUSEN, Eur. Schmett., v, 291, 1794; *inscriptata* DONOVAN, Nat. Hist., xv. pl., 517, 1816; *fimbriata* HAWORTH, Lep. Brit., 320, 1829.

a. autumnata GUENÉE, Spec. Gén., x, 264, 1857.

CORYPHISTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896.

- *3338. *meadii* PACKARD, Sixth Rept. Peab. Acad. Sci., 41, 1874; Rept. Geol. Surv. Terr., v, 551, 1875. Pac. States,
New Mex.
syn. *meadiata* PACKARD, C. 176.
3339. *badiaria* HY. EDWARDS, Ent. Amer., i, 50, 1885; Pac.
v. GUMPPENBERG, Nov. Act. Halle, lii, 136, States,
1888. Col.

HYDRIA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 171; *Calocalpe* HÜBNER, Verz. bek. Schmett., 330, 1818; MEYRICK, Trans. Ent. Soc. Lond., 70, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Eucosmia* STEPHENS, Ills., iii, 265, 1831; STAUDINGER, Cat. Lep. Eur., 78, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 139, 1888.

3340. *undulata* LINNÆUS, Syst. Nat., 524, 1758; U. S.,
FITCH, Fourteenth Rept. Ins. N. Y., 355, 1870; Eur.
PACKARD, C. 172; MÖSCHLER, Verh. zool.-bot.
Ges. Wien, 301, 1884; HULST, Ent. Amer., ii, 162,
1886; v. GUMPPENBERG, Nov. Act. Halle, lii, 140,
1888; HOFMANN, Gr. Sch. Eur., 200, 1894; DYAR,
Psyche, ix, 9, 1900.

CATOCLOTHIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Cyclica* GROTE (not LATREILLE), Can. Ent., xiv, 174, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896.

- *3341. *frondaria* GROTE, Can. Ent., xiv, 174, 1882; xv, Ariz.
27, 1883.

PHILEREME Hübner.

HÜBNER, Verz. bek. Schmett., 330, 1818; PACKARD, C. 174; MEYRICK, Trans. Ent. Soc. Lond., 70, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 276, 1896; *Scolonia* STEPHENS, Brit. Ins., 44, 1829; LEDERER, Verh. zool.-bot. Ges. Wien, 252, 1853; v. GUMPPENBERG, Nov. Act. Halle, lii, 137, 1888; HOFMANN, Gr. Sch. Eur., 200, 1894.

3342. *californiata* PACKARD, Proc. Bost. Soc. Nat. Cal.
Hist., xiii, 399, 1871; C. 175.
- *3343. *multivagata* HULST, Bull. Brook. Ent. Soc., iv, Ont., Col.,
26, 1881. B. C.
- *3344. *nigrescens* HULST, Can. Ent., xxxii, 104, 1900. Oreg.
- *3345. *formosa* HULST, Trans. Am. Ent. Soc., xxiii, 276, Col.,
1896. Man.
- *3346. *optimata* STRECKER, Lep. Rhop. Het., suppl. 2, Wash.
11, 1899.

PHYLACE Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896.

3347. **luteolata** HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896. Rocky Mts.

EUSTROMA Hübner.

HÜBNER, Verz. bek. Schmett., 335, 1818; MEYRICK, Trans. Ent. Soc. Lond., 71, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896; *Euphia* HÜBNER, Verz. bek. Schmett., 336, 1818; *Electra* STEPHENS, Cat. 135, 1829; *Steganolophia* STEPHENS, Cat. 135, 1829; WESTWOOD & HUMPHREYS, Brit. Ins., ii, 39, 1849.

3348. **diversilineata** HÜBNER, Samml. exot. Schm., i, 1, 2, 3, 4, 1806; PACKARD, C. 128; FRENCH, Trans. Dep. Agr. Ill., xv, 237, 1877; BRUCE, Ent. Amer., iii, 50, 1887; SAUNDERS, Can. Ent., ii, 74, 1870. Atl. States.
a. gracilineata GUENÉE, Spec. Gén., x, 476, 1857.

3349. **testata** LINNÆUS, Faun. Suec., 1262, 1761; PACKARD, C. 122; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 302, 1884. Atl. States, Eur.
 syn. *achatinata* HÜBNER, Schm. Eur., 301, 1796; PACKARD, C. 122.

3350. **populata** LINNÆUS, Syst. Nat., 525, 1758; PACKARD, C. 124; MÖSCHLER, Wien. ent. Mon., iv, 375, 1860; Stett. ent. Zeit., 120, 1883; Verh. zool.-bot. Ges. Wien, 302, 1884; HOFMANN, Gr. Schm. Eur., 201, 1894; HULST, Ent. News, vi, 43, 1895. No. U. S., Eur.
 syn. *dotata* CLERCK, *propulsata* WALKER, *molliculata* WALKER; PACKARD, C. 132; *packardata* LINTNER, Ent. Cont., iv, 113, 1878.

a. remotata WALKER, Cat. Brit. Mus., xxv, 1388, 1862; PACKARD, C. 132.

b. similis WALKER, Cat. Brit. Mus., xxv, 1425, 1862.

c. cervinifascia WALKER, Cat. Brit. Mus., xxv, 1184, 1862; PACKARD, C. 131.

- *3351. **destinata** MÖSCHLER, Wien. ent. Mon., iv, 46, 1860; Stett. ent. Zeit., 120, 1883; PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 48, 1867. No. U. S.

a. lugubrata MÖSCHLER, Wien. ent. Mon., 136, 1862; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3295 a, 1901.

3352. **prunata** LINNÆUS, Syst. Nat., 526, 1758; PACKARD, C. 116; HOFMANN, Gr. Schm. Eur., 200, 1894. No. U. S., Eur.

syn. *ribesiaris* BOISDUVAL, *triangulatum* PACKARD, *montanatum* PACKARD.

3353. *nubilata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 400, 1871. Pac. States.
 syn. *semiatratum* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881.
3354. *atrocolorata* GROTE, Ann. N. Y. Lyc. Nat. Hist., viii, 31, 1867; PACKARD, C. 121. Atl. States.
3355. *explanata* WALKER, Cat. Brit. Mus., xxv, 1422, 1862; HULST, Ent. News, vi, 44, 1895. Atl. States, Col.
3356. *cunigerata* WALKER, Cat. Brit. Mus., xxvi, 1726, 1862; PACKARD, C. 114; HULST, Ent. News, vi, 44, 1895. Atl. States.
 syn. *disjunctaria* PACKARD.

NEOLEXIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 278, 1896.

3357. *xylina* HULST, Trans. Am. Ent. Soc., xxiii, 278, 1896. No. U. S.
- *3358. *speciosa* HULST, Trans. Am. Ent. Soc., xxiii, 279, 1896. Alberta, Can.

RHEUMAPTERA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 150; *Cosmorhoe* HÜBNER, *Plemyria*, HÜBNER; MEYRICK, Trans. Ent. Soc. Lond., 71, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 279, 1896; *Epirrhoe* HÜBNER, *Eulypa* HÜBNER, *Melanippe* DUPONCHEL.

3359. *hastata* LINNÆUS, Syst. Nat., 527, 1758; PACKARD, C. 164; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884; STRECKER, Surv. Dept. Mo., Ruffner, app., 1861, 1878; DIMMOCK, Psyche, iv, 243, 1885; HULST, Ent. News, vi, 73, 1895. No. U. S., Eur.
- a. gothicata* GUENÉE, Spec. Gén., x, 388, 1857; PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867.
 syn. *furcifascia* WALKER, Cat. Brit. Mus., xxv, 1294, 1862; *hecate* BUTLER, Ann. Mag. Nat. Hist., (5), i, 448, 1878; Ill. Lep. Het. B. M., iii, 55, 1879.
- b. hastulata* HÜBNER, Eur. Schmett., 356, 1820.
- c. subhastata* NOLCKEN, Verh. zool.-bot. Ges. Wien, xx, 68, 1870.
- d. thulearia* HERRICH-SCHAEFFER, Eur. Schmett., iii, 156, 1850; GUENÉE, Spec. Gén., ix, 389, 1857; WALKER, Cat. Brit. Mus., xxv, 1282, 1862.
- e. mœstata* NOLCKEN, Verh. zool.-bot. Ges. Wien, xx, 68, 1870.
 syn. *hastulata* GUENÉE (not HÜBNER), Spec. Gén., ix, 389, 1857; STAUDINGER, Stett. ent. Zeit., 397, 1861.

3360. **tristata** LINNÆUS, Syst. Nat., 526, 1758; PACKARD, C. 162; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884; HOFMANN, Gr. Schm. Eur., 207, 1894.
 syn. *limbopunctata* NOLCKEN, Lep. Faun., i, 270, 1868. Can., Eur.
3361. **sociata** BORKHAUSEN, Eur. Schmett., v, 432, 1794; STAUDINGER, Cat. Lep. Eur., 188, 1871. No. U. S., Eur.
 syn. *substriata* HAWORTH, *degenerata* HAWORTH, *alchemillata* SCHIFFERMÜLLER, *alchemillaria* FREYER, *rivata* DUPONCHEL.
- *3362. **luctuata** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 316, 1776 (not desc.); HÜBNER, Bei. Ges. Schm., ii, 4, 3, T, 1792; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3444, 1901. No. Atl. States.
 syn. *luctuaria* HERRICH-SCHAEFFER, *transversata* THUNBERG, *lugubrata* STAUDINGER, Cat. Lep. Eur., 189, 1871; PACKARD, C. 161.
a. obductata MÖSCHLER, Wien. ent. Mon., 374, 1860; HULST, Ent. News, vi, 70, 1895.
b. concordata WALKER, Cat. Brit. Mus., xxv, 1295, 1862.
c. kodiakata PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 23, 1874.
- *3363. **delimitata** WARREN, Nov. Zool., ii, 114, 1895. U. S.
3364. **georgii** HULST, Trans. Am. Ent. Soc., xxiii, 280, 1896. No. U. S., Pac. States.
3365. **rubrosuffusata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 402, 1871; C. 143; BUTLER, Pap., i, 223, 1881. Pac. States.

ZENOPHLEPS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 280, 1896.

3366. **lignicolorata** PACKARD, Sixth Rept. Peab. Acad. Sci., 42, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 11, 1874; C. 138; HULST, Ent. News, vi, 104, 1896. Pac. States.
- *3367. **obscurata** HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896. Cal.

ENCHORIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896.

- *3368. **osculata** HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896. So. Cal.
3369. **albifasciata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 5, 1874; C. 97. Cal.

3381. **silacea** HÜBNER, Samml. ausser. Schmett. u. Mont.,
Vögel, 100, 1793; STAUDINGER & REBEL, Cat. Eur.
Lep. Eur., i, 307, 1901.
- a. deflavata* STAUDINGER, Cat. Lep. Eur., 191,
1871; Stett. ent. Zeit., 122, 1883; MÖSCH-
LER, Verh. zool.-bot. Ges. Wien, 306, 1884.
3382. **albolineata** PACKARD, Fifth Rept. Peab. Acad., No. Atl.
55, 1873; C. 120. States.
3383. **hersiliata** GUENÉE, Spec. Gén., x, 464, 1857; PACK- Col.
ARD, C. 111; HULST, Ent. News, vi, 43, 1895.
- syn. *flammifera* WALKER, Cat. Brit. Mus.,
xxiv, 1184, 1862.
- *3384. **ethela** HULST, Trans. Am. Ent. Soc., xxiii, 283, Cal.
1896.
3385. **abacta** HULST, Can. Ent., xxx, 117, 1898. Ariz.
3386. **vasaliata** GUENÉE, Spec. Gén., x, 407, 1857; U. S.
PACKARD, C. 167; HULST, Ent. News, vi, 103,
1895.
- syn. *rigidata* WALKER, Cat. Brit. Mus., xxvi,
1727, 1862; PACKARD, C. 133.
- a. niveifascia* HULST, Can. Ent., xxx, 115, 1898;
Jn. N. Y. Ent. Soc., viii, 216, 1901.

HYDRIOMENA Hübner.

HÜBNER, Verz. bek. Schmett., 322, 1818; PACKARD, C. 90; MEYRICK, Proc. Linn. Soc.
N. S. Wales, ii, 819, 1887; Trans. Ent. Soc. Lond., 72, 1892; HULST, Trans. Am.
Ent. Soc., xxiii, 283, 1896; *Euphyia* HÜBNER, ?*Perizoma* HÜBNER, ?*Eutephria* HÜB-
NER, *Chloroclysta* HÜBNER, *Dysstroma* HÜBNER, Verz. bek. Schmett., 333, 1818;
Harpalyce STEPHENS, *Ypsiptes* STEPHENS, *Emmelesia* STEPHENS, Cat. ii, 147, 1829;
Mæsia STEPHENS, *Polyphrasia* STEPHENS, *Euthalia* STEPHENS, *Thera* STEPHENS, Ills.,
iii, 271, 1831; *Phasyle* DUPONCHEL, Cat. Méth., 254, 1844; *Ceratodalia* PACKARD, C.
322.

3387. **sordidata** FABRICIUS, Ent. Syst., 185, 1794; PACK- No. U. S.,
ARD, C. 96; MÖSCHLER, Verh. zool.-bot. Ges. Eur.
Wien, 306, 1884; HOFMANN, Gr. Schm. Eur., 209,
1894.
- syn. *rectangulata* FABRICIUS, *bicolorata* BORK-
HAUSEN, *birivata* BORKHAUSEN.
- a. elutata* HÜBNER, Schmett. Eur., 224, 1820?;
STAUDINGER & REBEL, Cat. Lep. Eur., i, no.
3485a, 1901.
- b. nubilifasciata* PACKARD, Proc. Bost. Soc. Nat.
Hist., xiii, 398, 1871; C. 98.
- c. quinquefasciata* PACKARD, Proc. Bost. Soc. Nat.
Hist., xiii, 379, 1871.
- d. viridata* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 21, 1874.
- e. bistriolata* ZELLER, Verh. zool.-bot. Ges. Wien,
xxii, 493, 1873; PACKARD, C. 94.
- f. glaucata* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 20, 1876.

3388. **autumnalis** STRÖMEYER, Kgl. Vid. Skr.-Sel., 85, 1783; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3486, 1901. Pac. States,
Eur.
 syn. *trifasciata* BORKHAUSEN, *impluviata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 109, 1776 (not desc.); *pluviata* GUENÉE, *divisaria* WALKER, Cat. Brit. Mus., xxi, 489, 1860; *renunciata* WALKER, Cat. Brit. Mus., xxv, 1187, 1862; *frigidata* WALKER, Cat. Brit. Mus., xxv, 1729, 1862; HULST, Ent. News, xi, 43, 1895.
3389. **pernotata** HULST, Can. Ent., xxx, 117, 1898. Alaska.
3390. **tæniata** STEPHENS, Ills., iii, 299, 1831; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3324, 1901; HULST, Ent. News, vi, 103, 1895. No. U. S.,
Eur.
 syn. *arctata* ZELLER, *arctaria* HERRICH-SCHAEFFER, *albimacularia* FREYER, *explagiata* WALKER, Cat. Brit. Mus., xxv, 1728, 1862; PACKARD, C. 133; *basaliata* WALKER, Cat. Brit. Mus., xxv, 1184, 1862; PACKARD, C. 154; *fulvida* BUTLER.
3391. **californiata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 396, 1871; C. 94. Pac. States,
Ariz., Mont.
- *3392. **speciosata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 22, 1874; C. 102. Tex., Cal.,
Ariz.
- *3393. **reflata** GROTE, Can. Ent., xiv, 186, 1882. Rocky Mts.
3394. **similaris** HULST, Trans. Am. Ent. Soc., xxiii, 284, 1896. Col.,
Nev.
3395. **contracta** PACKARD, Fifth Rept. Peab. Acad., 56, 1873; C. 89. Me.
- *3396. **sparsimacula** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. Cal.
3397. **banavahrata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Cal.
3398. **occidens** HULST, Can. Ent., xxx, 180, 1898. Oreg.
- *3399. **herbicolata** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. Cal.
- *3400. **floridata** WALKER, Cat. Brit. Mus., xxv, 1719, 1862; HULST, Ent. News, vi, 105, 1895 (type lost). Fla.
3401. **multiferata** WALKER, Cat. Brit. Mus., xxv, 1715, 1862; PACKARD, C. 81. No.
U. S.
3402. **latirupta** WALKER, Cat. Brit. Mus., xxxv, 1684, 1866; PACKARD, C. 169; HULST, Ent. News, vi, 43, 1895. Γ
 syn. *lascinata* ZELLER, Verh. zool.-bot. Ges. Wien, 205, 1873.

- *3403. *curvilinea* HULST, Trans. Am. Ent. Soc., xxiii, 286, 1896. Brit. Col.
- *3404. *immediata* GROTE, Can. Ent., xiv, 184, 1882 (type lost). N. Y.
3405. *costiguttata* HULST, Trans. Am. Ent. Soc., xxiii, 286, 1896. Cal., Oreg.
3406. *custodiata* GUENÉE, Spec. Gén., ix, 491, 1857; WALKER, Cat. Brit. Mus., xxv, 1438, 1862; HULST, Ent. News, vi, 104, 1895. Pac. States, Rocky Mts.
syn. *gueneata* PACKARD, C. 141.
- *3407. *excurvata* GROTE, Can. Ent., xv, 123, 1883. Mont., B. C.
syn. *gueneata* PACKARD, C. 323.
- *3408. *mirabilata* GROTE, Can. Ent., xv, 123, 1883. Rocky Mts.
- *3409. *unangulata* HAWORTH, Lep. Brit., 332, 1829; PACKARD, C. 159; HOFMANN, Gr. Schm. Eur., 207, 1894; HULST, Ent. News, vi, 70, 1896. U. S., Eur.
syn. *unangularia* HERRICH-SCHAEFFER, *congregata* WALKER, Cat. Brit. Mus., xxv, 1264, 1862.
- *3410. *amorata* HULST, Can. Ent., xxxii, 104, 1900. Cal.
3411. *neomexicana* HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. Rocky Mts., Cal., Fla.
3412. *grandiosa* HULST, Can. Ent., xxx, 118, 1898. Fla., Ariz.
3413. *australata* HULST, Ent. Amer., i, 205, 1886. Fla.
- *3414. *albata* HULST, Trans. Am. Ent. Soc., xxiii, 284, 1896. Ariz.
- *3415. *elisata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Atl. States.

TRIPHOSA Stephens.

STEPHENS, Cat., 44, 1829; PACKARD, C. 177; v. GUMPPENBERG, Nov. Act. Halle, lii, 129, 1888; HOFMANN, Gr. Schm. Eur., 199, 1894; HULST, Tr. Am. Ent. Soc., xxiii, 287, 1896.

3416. *dubitata* LINNÆUS, Syst. Nat., 524, 1758; PACKARD, C. 177; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3259, 1901. No. Atl. States, Eur.
3417. *progressata* WALKER, Cat. Brit. Mus., xxv, 1348, 1862; BUTLER, Pap., i, 223, 1881; HULST, Ent. News, vi, 43, 1895. No. Pac. States.
syn. *indubitata* GROTE, Bull. U. S. Geol. Surv. Terr., vi, 591, 1882; *dubitata* PACKARD (not LINNÆUS). C. 177; HARVEY, Bull. Buff. Soc., i, 264, 1874; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884.
α. pustularia HY. EDWARDS, Ent. Amer., i, 50, 1885.

CŒNOCALPE Hubner.

Hübner, Verz. bek. Schmett., 330, 1818; Hulst, Trans. Am. Ent. Soc., xxiii, 287, 1896; *Corythæ* Dufourei Cat. Méth., 257, 1844; *Stammodes* Guenée, Spec. Gén., ix, 515, 1857; v Gumpfenberg, Nov. Act. Halle, lxi, 345, 1887.

3418. *aurata* GROTE, Can. Ent., xiv, 186, 1882. Rocky Mts.
3419. *magnoliata* GUENÉE, Spec. Gén., ix, 455, 1857; U. S.
HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 89,
1875; PACKARD, C. 70; MOFFAT, Can. Ent., xvi,
38, 1884; HULST, Ent. News, vi, 70, 1895.
syn. *chezacata* WALKER, Cat. Brit. Mus., xxv,
1185, 1862; *placidata* WALKER, Cat. Brit.
Mus., xxv, 1186, 1862; *quadripunctata*
PACKARD, Proc. Bost. Soc. Nat. Hist., xiii,
402, 1871.
a. cumatilis GROTE & ROBINSON, Ann. N. Y. Lyc.
Nat. Hist., viii, 460, 1867; GROTE, Can. Ent.,
xvi, 38, 1884; PACKARD, Proc. Bost. Soc. Nat.
Hist., xvi, 20, 1874.
- *3420. *oxygramma* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
288, 1896.
3421. *carnata* PACKARD, Sixth Rept. Penb. Acad. Sci., Pac.
43, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, States.
f. 9, 1874.
syn. *carnata* PACKARD, C. 142.
- *3422. *phlebeculata* GUENÉE, Spec. Gén., ix, 419, 1857; Cal.
WALKER, Cat. Brit. Mus., xxv, 1309, 1862;
PACKARD, C. 149; HULST, Ent. News, vi, 104,
1895 (type lost).
3423. *alaskæ* HULST, Trans. Am. Ent. Soc., xxiii, 287, Alaska.
1896.
3424. *parinotata* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.,
xxii, 495, 1872; PACKARD, C. 155. Fla.
3425. *polygrammata* HULST, Trans. Am. Ent. Soc., Rocky
xviii, 288, 1896. Mts.
3426. *gibbocostata* WALKER, Cat. Brit. Mus., xxv, Atl.
1388, 1862; HULST, Ent. Am., iii, 9, 1887; Ent. States.
News, vi, 42, 1895.
syn. *costinotata* WALKER, Cat. Brit. Mus., xxv,
1701, 1862; *strigularia* MINOT; PACKARD,
C. 170; WINN, Can. Ent., xxiii, 97, 1891;
anciformis HARVEY, Buff. Bull., i, 265,
1873.
- *3427. *annellata* HULST, Ent. Amer., ii, 191, 1887. Pac. States.
- *3428. *morrisata* HULST, Ent. Amer., ii, 190, 1887. Ariz.
- *3429. *cœnonymphata* HULST, Can. Ent. xxxii, 104, Col.,
1900. Cal.
3430. *fervifactaria* GROTE, Pap., i, 177, 1881. Rocky Mts.

3431. **formosata** STRECKER, Surv. Dept. Mo., Ruffner, Rocky
app., 1864, 1878. Mts.
syn. *dryadata* HULST, Bull. Brook. Ent. Soc.,
iii, 43, 1880; *sponsata* GROTE, Can. Ent.,
xiv, 215, 1882.
- *3432. **seifertii** NEUMOEGEN, Pap., ii, 125, 1882. Ariz.
3433. **tessellata** PACKARD, Rept. Geol. Surv. Terr., Ariz.
v, 522, 1873; C. 261.
3434. **topazata** STRECKER, Lep. Rhop. Het., suppl. 2, Rocky Mts.,
9, 1899. Alaska.

EMPLOCIA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 34, 1855; HULST, Trans. Am. Ent. Soc., xxiii,
288, 1896.

3435. **inconstans** GEYER, Zuträge Exot. Schmett., f. N. Mex.,
861, 1825. Ariz.
syn. *cephisaria* GROTE, Pap., i, 177, 1881;
HULST, Trans. Am. Ent. Soc., xxiii, 289,
1896.

MARMOPTERYX Packard.

PACKARD, Rept. Geol. Surv. Terr., v, 552, 1873; C. 259; HULST, Trans. Am. Ent. Soc.,
xxiii, 289, 1896; *Marmoropteryx* v. GUMPPENBERG, Nov. Act. Halle, xlix, 332, 1887.

3436. **marmorata** PACKARD, Proc. Bost. Soc. Nat. Hist., Rocky Mts.,
xiii, 393, 1871; C. 260. Cal.
- *3437. **odonata** HULST, Trans. Am. Ent. Soc., xxiii, Col.
289, 1896.

GYPSOCHROA Hübner.

HÜBNER, Verz. bek. Schmett., 336, 1818; v. GUMPPENBERG, Nov. Act. Halle, xlix,
368, 1887; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896; *Cidaria* TREITSCHKE,
Schm. Eur., vi, 2, 242, 1828; MEYRICK, Trans. Ent. Soc. Lond., 211, 1886; HOF-
MANN, Gr. Schm. Eur., 201, 1894.

3438. **designata** HUFNAGEL, Berl. Mag., iv, 612, U. S.,
1769; PACKARD, C. 144; MÖSCHLER, Verh. zool.- Eur.
bot. Ges. Wien, 304, 1884; GOODELL, Can.
Ent., xii, 235, 1880; HOFMANN, Gr. Schm. Eur.,
205, 1894.

syn. *propugnata* DENIS & SCHIFFERMÜLLER,
propugnaria TREITSCHKE.

3439. **sitellata** GUENÉE, Spec. Gén., x, 298, 1857; U. S.
WALKER, Cat. Brit. Mus., xxv, 1210, 1862.
syn. *hæsitata* GUENÉE, Spec. Gén., x, 444,
1857; HULST, Ent. News, vi, 43, 1895; DYAR,
Psyche, ix, 59, 1900; *impauperata* WALKER,
Cat. Brit. Mus., xxv, 1363, 1862; *albosignata*
PACKARD, Fifth Rept. Peab. Acad., 61, 1873;
C. 174; v. GUMPPENBERG, Nov. Act. Halle,
lii, 141, 1888.

EURHINOSEA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 34, 1873; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896.

*3440. **flavaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 35, 1873. Cal.

syn. *flavata* PACKARD, C. 129.

*3441. **leoninata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 401, 1871; C. 119; HULST, Ent. News, vi, 104, 1895. Cal.

*3442. **mancipata** GUENÉE, Spec. Gén., x, 468, 1857; PACKARD, C. 113; HULST, Ent. News, vi, 104, 1895. Cal.

syn. *subochreatea* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 400, 1871.

PSYCHOPHORA Curtis.

CURTIS, App. Ross Second Voy., 73, 1835; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896.

3443. **sabinii** CURTIS, App. Ross Second Voy., 73, 1835; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896; Ent. News, vi, 70, 1895. Greenl., Lab.

syn. *frigidaria* GUENÉE, Spec. Gén., x, 269, 1857; *phocata* MÖSCHLER, Wien. ent. Mon., vi, 9, 1862; PACKARD, C. 76; *sabinaria* PACKARD, C. 75.

a. **polaris** HULST (both wings uniform brownish gray, the fore wings darker).

b. **immaculata** SKINNER, Proc. Acad. Nat. Sci. Phil., 159, 1892; HULST, Ent. News, vi, 70, 1895.

3443. 1. **fasciata** SKINNER, Ent. News, xiii, 141, 1902. Alaska.

TRICHOCHLAMYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 291, 1896.

*3444. **polata** HÜBNER, Zutr. exot. Schmett., f. 805, 1825; STAUDINGER, Stett. ent. Zeit., 395, 1861; PACKARD, C. 73; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 305, 1884; HOFMANN, Gr. Schm. Eur., 205, 1894. Arctic Am.

syn. *polaria* HERRICH-SCHAEFFER, Eur. Schmett., iii, 162, 1847; CHRISTOPH, Wien. ent. Mon., 313, 1858; HULST, Ent. News, vi, 106, 1895; *punctipes* CURTIS, App. Ross Second Voy., 73, 1835.

a. **brullei** LEFÈBRE, Ann. Soc. Ent. Fr., 399, 1836; STAUDINGER, Stett. ent. Zeit., 306, 1857; WALKER, Cat. Brit. Mus., xxv, 1284, 1862.

3445. **lacteata** PACKARD C. 143, 1876. Pac. Sta

LOXOFIDONIA Packard.

PACKARD, C. 223; HULST, Trans. Am. Ent. Soc., xxiii, 294, 1896; *Thyone* MEYRICK, Trans. N. Zeal. Ins., xvi, 61, 1883; *Asaphodes* MEYRICK, Trans. N. Zeal. Ins., xviii, 184, 1885; Trans. Ent. Soc. Lond., 76, 1892.

- *3464. *acidaliata* PACKARD, Sixth Rept. Peab. Acad. Sci., 48, 1874; C. 224; STRECKER, Surv. Dept. Mo., suppl., 1862, 1878. Col.

Subfamily MONOTAXIINÆ.

MONOTAXIS Hulst.

HULST, Can. Ent., xxx, 120, 1898.

3465. *semipectinata* HULST, Can. Ent., xxx, 120, 1898. Ariz.

Subfamily MONOCTENIINÆ.

SYNOMILA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

3466. *subochreata* HULST, Ent. Amer., ii, 187, 1887. Rocky Mts., Oreg.

PAOTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

- *3467. *fultaria* GROTE, Can. Ent., xiv, 174, 1882. Ariz.

HÆMATOPSIS Hübner.

HÜBNER, Verz. bek. Schmett., 301, 1818; PACKARD, C. 218; HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

3468. *grataria* FABRICIUS, Ent. Syst., suppl., 112, 1798; PACKARD, C. 219; RILEY, Rept. Ins. Mo., i, 179, 1869; BOWLES, Can. Ent., xv, 165, 1883; DYAR, Psyche, ix, 155, 1901. Atl. States.

syn. *saniaria* HÜBNER, *successaria* WALKER, Can. Nat., v, 262, 1862; Cat. Brit. Mus., xxv, 1617, 1862; GROTE, Can. Ent., ix, 29, 1878.

Subfamily STERRRHINÆ.

ERASTRIA Hübner.

HÜBNER, Tentamen, 1810; *Culothysanis* HÜBNER, Verz. bek. Schmett., 301, 1818; MEYRICK, Trans. Ent. Soc. Lond., 91, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 297, 1896; *Timandra* DUPONCHEL, *Bradypeies* STEPHENS; PACKARD, C. 316.

3469. *amaturaria* WALKER, Cat. Brit. Mus., xxxv, 1634, 1866; PACKARD, C. 317; Ins. Life, iv, 382, 1892; KELLICOTT, Can. Ent., xxiv, 242, 1892. Atl. States.

- *3470. *viridipennaria* GUENÉE, Spec. Gén., x, 3, 1857; HULST, Ent. News, vi, 104, 1895. No. Am.

PIGIA Guenée.

GUENÉE, Spec. Gén., x, 19, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 297, 1896.

- *3471. *multilineata* HULST, Ent. Amer., ii, 188, 1887. Ariz.

EUACIDALIA Packard.

PACKARD, Fifth Rept. Peab. Acad., 69, 1873; C. 318; HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

3472. *sericeata* PACKARD, Fifth Rept. Peab. Acad., 69, Fla.
1873; C. 318. to Ariz.

PROSOPARIA Grote.

GROTE, Can. Ent., xv, 130, 1883; HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

- *3473. *perfuscaria* GROTE, Can. Ent., xv, 130, 1883. Ariz.

MYCTEROPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

- *3474. *monticola* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
299, 1896.

- *3475. *longipalpata* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
299, 1896.

- *3476. *slossoniæ* HULST, Can. Ent., xxx, 120, 1898. N. H., Man.

DEPTALIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 299, 1896.

3477. *insularia* GUENÉE, Spec. Gén., ix, 469, 1857; Atl.
PACKARD, C. 335; HULST, Ent. Amer., iii, 175, States.
1887; Ent. News, vi, 71, 1895.

syn. *asthenaria* WALKER, Cat. Brit. Mus.,
xxii, 737, 1861; *invariata* WALKER, Cat.
Brit. Mus., xxv, 1596, 1862; *imparata*
WALKER, Cat. Brit. Mus., xxv, 1598, 1862.
persimilata GROTE.

COSYMBIA Hübner.

HÜBNER, Verz. bek. Schmett., 302, 1818; *Cyclophora* HÜBNER (not MONTFORT),
Tentamen, 1810; HULST, Trans. Am. Ent. Soc., xxiii, 300, 1896; *Leucophthalmia*
HÜBNER, Verz. bek. Sch., 302, 1818; MEYRICK, Trans. Ent. Soc. Lond., 91, 1892;
Codonia HÜBNER, Verz. bek. Schmett., 302, 1818; *Pycotis* HÜBNER, Verz. bek.
Schmett., 309, 1818; *Ephyra* DUPONCHEL, Hist. Nat., viii, 20, 1829; PACKARD,
C. 361; *Zonosoma* LEDERER, Verh. zool.-bot. Ges. Wien, 194, 1853.

3478. *culicaria* GUENÉE, Spec. Gén., ix, 407, 1857; So. Atl.
PACKARD, C. 365; HULST, Ent. Amer., ii, 221, States.
1887; Ent. News, vi, 72, 1895.

3479. *myrtaria* GUENÉE, Spec. Gén., ix, 408, 1857; ATL. STATES, COL.
PACKARD, C. 364; GOODELL, Can. Ent., ix, 62,
1877; HULST, Ent. News, vi, 70, 1896.
syn. *ignotaria* WALKER, Cat. Brit. Mus., xxv,
1576, 1862.
3480. *lumenaria* HÜBNER, Zutr. exot. Schmett., f. 757, ATL. STATES.
1832; PACKARD, C. 365; HULST, Ent. News, vi,
106, 1895.
syn. *pendulinaria* GUENÉE; PACKARD, C. 363;
quadriannulata WALKER, Cat. Brit. Mus.,
xxv, 1595, 1862.
- *3481. *umatillaria* STRECKER, Lep. Rhop. Het., suppl. Fla.
2, 9, 1899.
3482. *serrulata* PACKARD, Fifth Rept. Peab. Acad. Sci., ATL. STATES,
73, 1873; C. 366. Ariz.
- *3483. *dataria* HULST, Ent. Amer., ii, 186, 1887. Cal.
- *3484. *albocostaliata* PACKARD, C. 336. ATL. STATES.
3485. *pannaria* GUENÉE, Spec. Gén., ix, 470, 1857; ATL. STATES.
PACKARD, C. 336; HULST, Ent. News, vi, 73, 1895.
syn. *tremularia* WALKER, Cat. Brit. Mus.,
xxv, 1614, 1862; *purpurissata* GROTE.

SYNELYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 300, 1896.

3486. *alabastaria* HÜBNER, Zutr. exot. Schmett., ii, ATL. STATES.
f. 311, 1825?; HULST, Ent. News, vi, 72, 1895,
vi, 106, 1895.
syn. *reconditaria* WALKER, Cat. Brit. Mus.,
xxiii, 786, 1861; PACKARD, C. 357; GROTE,
Trans. Am. Ent. Soc., ii, 82, 1868; HULST,
Ent. News, vi, 72, 1895; *ennucleata* PACK-
ARD (not GUENÉE), C. 347; GOODELL, Can.
Ent., xi, 194, 1879; Can. Ent., xii, 236, 1880.
3487. *ennucleata* GUENÉE, Spec. Gén., ix, 505, 1857; ATL. STATES,
HULST, Ent. News, vi, 72, 1895; DYAR, Psyche, Rocky Mts.
ix, 165, 1901.
syn. *restrictata* WALKER, Cat. Brit. Mus.,
xxii, 722, 1861; *mensurata* WALKER, Cat.
Brit. Mus., xxxv, 1621, 1866; *continuaria*
WALKER, Cat. Brit. Mus., xxxv, 1622, 1866.
- *3488. *pergracilis* HULST, Can. Ent., xxx, 121, 1898. Fla.
- *3489. *nigrocandida* HULST, Can. Ent., xxx, 121, 1898. Fla.

- *3490. *timandrata* WALKER, Cat. Brit. Mus., xxii, 724, 1861; PACKARD, C. 355; HULST, Ent. News, vi, 72, 1895. Fla.
 syn. *rufilineata* WALKER, Cat. Brit. Mus., xxiii, 783, 1861.
3491. *ordinata* WALKER, Cat. Brit. Mus., xxii, 722, 1861; PACKARD, C. 565; HULST, Ent. News, vi, 71, 1895. So. States.
 syn. *puraria* WALKER, Cat. Brit. Mus., xxiii, 796, 1861; HULST, Ent. News, vi, 71, 1895; *candidaria* PACKARD, C. 349.
3492. *subquadrata* GUENÉE, Spec. Gén., ix, 459, 1857; WALKER, Cat. Brit. Mus., xxii, 729, 1861; HULST, Ent. News, vi, 73, 1895. Fla.
 syn. *obluridata* HULST, Ent. Amer., ii, 185, 1887.
- *3493. *umbilicata* GUENÉE, Spec. Gén., ix, 504, 1857; WALKER, Cat. Brit. Mus., 727, 1861; HULST, Ent. News, vi, 72, 1895. Fla., Tex.
 syn. *indoctaria* WALKER, Cat. Brit. Mus., xxii, 731, 1861.

XYSTROTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

3494. *hepaticaria* GUENÉE, Spec. Gén., ix, 471, 1857; PACKARD, C. 352; HULST, Ent. Amer., ii, 222, 1887, iv, 49, 1888. U. S.
 syn. *rubromarginaria* PACKARD, *ferrunimaria* ZELLER, Verh. zool.-bot. Ges. Wien, 478, 1873; PACKARD, C. 360; *rubromarginata* PACKARD, C. 339.

WAUCHULA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 216, 1901.

3495. *rubrotincta* HULST, Jn. N. Y. Ent. Soc., viii, 216, 1901. Fla.

CINGLIS Guenée.

GUENÉE, Spec. Gén., x, 114, 1857; MEYRICK, Trans. Ent. Soc. Lond., 90, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

- *3496. *luteolata* HULST, Bull. Brook. Ent. Soc., iii, 42, 1880; Ent. Amer., ii, 222, 1887. Col.
3497. *similaria* WALKER, Cat. Brit. Mus., xxxv, 1592, 1866; HULST, Ent. News, vi, 72, 1895. Atl. State-
 syn. *quadrilineata* PACKARD, C. 345.

3498. *purata* GUENÉE, Spec. Gén., ix, 488, 1857; WALKER, Cat. Brit. Mus., xxii, 720, 1861; PACKARD, C. 353; HULST, Ent. Amer., ii, 222, 1887. Atl. States.
 syn. *cacuminata* MORRISON, *cacuminaria* PACKARD, C. 346.
- *3499. *compensata* WALKER, Cat. Brit. Mus., xxii, 724, 1861; PACKARD, C. 354. Tex., Fla.
3500. *ancellata* HULST, Ent. Amer., ii, 186, 1887. Rocky Mts.
3501. *fuscata* HULST, Ent. Amer., ii, 187, 1887. Rocky Mts.
- *3502. *albidula* HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896. Fla.

SCELOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

- *3503. *formosa* HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896. Tex.

CHAROMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896.

- *3504. *ella* HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896. Tex.
- a. ellatina* HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896.

LEPTOMERIS Hübner.

HÜBNER, Verz. bek. Schmett., 310, 1818; MEYRICK, Trans. Ent. Soc. Lond., 89, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896; *Craspedia* HÜBNER, Verz. bek. Schmett., 312, 1818; *Dosithea* DUPONCHEL, Hist. Nat., viii, 43, 1829.

3505. *gemmata* PACKARD, C. 320, 1876. Rocky Mts.
3506. *lautaria* HÜBNER, Zutr. exot. Schmett., 539, 1820!; HULST, Ent. News, vi, 72, 1895. So. States.
 syn. *myrmidonata* GUENÉE, Spec. Gén., ix, 487, 1857; PACKARD, C. 353; *minutularia* HULST, Bull. Brook. Ent. Soc., iii, 44, 1880.
- *3507. *occidentaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 29, 1874; C. 321. Pac. States, Col.
 syn. *occidentata* PACKARD.
- *3508. *roseotincta* HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896. Fla.
3509. *æmulata* HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896. Fla.
3510. *quinquelinearia* PACKARD, Proc. Bost. Soc. Nat. Hist., 389, 1871; Rept. Geol. Surv. Terr., v, 554, 1873; C. 348; BUTLER, Pap., i, 221, 1881. U. S.

3511. **sentinaria** HÜBNER, Zutr. exot. Schmett., f. 823, 1837; PACKARD, C. 342. No. U. S.
 syn. *spuraria* CHRISTOPH, *gracilior* BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.
3512. **magnetaria** GUENÉE, Spec. Gén., ix, 450, 1857; PACKARD, C. 350; HULST, Ent. Amer., ii, 222, 1886. Pac. States.
 syn. *rubrolinearia* PACKARD, *rubrolineata* PACKARD, C. 343.
- *3513. **frigidaria** MÖSCHLER, Wien. ent. Monat., iv, 44, 1860; PACKARD, C. 340; HULST, Ent. News, vi, 71, 1895. Arctic Am.
 syn. *defixaria* WALKER, Cat. Brit. Mus., xxiii, 796, 1861; *impauperata* WALKER, Cat. Brit. Mus., xxv, 1363, 1862; *?arcticaria* WALKER, Cat. Brit. Mus., xxvi, 1594, 1862; HULST, Ent. News, vi, 105, 1895 (type lost); *okakaria* PACKARD.
3514. **ostentaria** WALKER, Cat. Brit. Mus., xxiii, 784, 1861; PACKARD, C. 355. Fla., Tex.
3515. **plantagenaria** HULST, Ent. Amer., ii, 185, 1887. Fla. to Ariz.
- *3516. **nigrodiscalis** HULST, Can. Ent., xxx, 158, 1898. Me.
- *3517. **placidaria** GUENÉE, Spec. Gén., ix, 469, 1857; PACKARD, C. 352; HULST, Ent. News, vi, 105 1895 (type lost). No. Am.

EOIS Hübner.

- HÜBNER, Verz. bek. Schmett., 308, 1818; PACKARD, C. 319; MEYRICK, Trans. Ent. Soc. Lond., 86, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 304, 1896; *Arrhostia* HÜBNER, Verz. bek. Schmett., 311, 1818; *Ptychopoda* STEPHENS, Cat. 150, 1829; *Hyria* STEPHENS, Cat. 150, 1829; GUENÉE, Spec. Gén., ix, 428, 1857; *Carphoxera* RILEY, Ins. Life, iv, 112, 1892.
3518. **parvularia** HULST, Ent. Amer., iii, 213, 1887. Tex.
3519. **ptelearia** RILEY, Ins. Life, iv, 112, 1892; iv, 271, 1892; v, 40, 1892; WRIGHT, Ins. Life, v, 271, 1892. U. S.
- *3520. **scintillaria** HULST, Ent. Amer., iii, 213, 1887. Fla.
3521. **demissaria** HÜBNER, Zutr. exot. Schmett., 563, 1825; PACKARD, C. 351. U. S.
 syn. *ferrugata* PACKARD, C. 321; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 304, 1884; *bonifata* HULST, Ent. Amer., ii, 187, 1886.
a. russata HULST, Ent. Amer., ii, 187, 1886.
 syn. *eremiata* HULST, Ent. Amer., ii, 187, 1886; *?inclusaria* WALKER, Cat. Brit. Mus., xxv, 1596, 1862; HULST, Ent. News, vi, 105, 1895 (type lost).

3522. *purpurascens* HULST, Can. Ent., xxxii, 105, 1900. Fla.
- *3523. *hilliata* HULST, Ent. Amer., ii, 187, 1886. Fla.
- *3524. *flavescens* HULST, Trans. Am. Ent. Soc., xxiii, 304, 1896. Tex.
3525. *lævitaria* HÜBNER, Zutr. exot. Schmett., f. 873, 1820?; GUENÉE, Spec. Gén., ix, 471, 1857; WALKER, Cat. Brit. Mus., xxii, 719, 1861. Fla. to Cal.
syn. *floridata* PACKARD, C. 319.
3526. *microphysa* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. So. Cal.
- *3527. *delicata* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. N. Mex.
3528. *peralbata* PACKARD, Fifth Rept. Peab. Acad. Sci., 70, 1873; C. 332; STRECKER, Surv. Dept. Mo. Ruffner, app., 1862, 1878. Tex.
syn. *longipennata* PACKARD, Fifth Rept. Peab. Acad. Sci., 71, 1873; C. 332; HULST, Ent. Amer., ii, 221, 1887.
3529. *nimbicolor* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. Fla.
syn. *floridaria* HULST (not PACKARD), Ent. Amer., iii, 215, 1888; *floridata* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896.
3530. *ossularia* HÜBNER, Zutr. exot. Schmett., f. 909, 1837; HULST, Ent. Amer., ii, 221, 1887; Ent. News, vi, 73, 1895. U. S.
syn. *ossulata* PACKARD, C. 329; *temnaria* GUENÉE; PACKARD, C. 352; *sublataria* GUENÉE, Spec. Gén., ix, 474, 1857; PACKARD, C. 352; *magniferaria* WALKER, Cat. Brit. Mus., xxiii, 784, 1861; PACKARD, C. 356; *favillifera* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359; *violacearia* WALKER, Cat. Brit. Mus., xxiii, 786, 1861; PACKARD, C. 357; *repletaria* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359.
- *3531. *granitaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 390, 1871; C. 330. Cal.
3532. *lanceolata* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. N. Mex., Cal., Fla.
3533. *balistraria* GUENÉE, Spec. Gén., ix, 453, 1857; PACKARD, C. 351. So. States, Col., Ariz.
syn. *perirrorata* PACKARD, Fifth Rept. Peab. Acad. Sci., 71, 1873; C. 331.

- *3534. *rufescens* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. Atl. States.
- *3535. *pallida* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896. Tex.
3536. *eburneata* GUENÉE, Spec. Gén., ix, 474, 1857; WALKER, Cat. Brit. Mus., xxii, 734, 1861; HULST, Ent. News, vi, 73, 1895. Fla.
syn. *tacturata* WALKER, Cat. Brit. Mus., xxii, 721, 1861; PACKARD, C. 353.
3537. *suavata* HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901; DYAR, Psyche, ix, 106, 1900. Fla.
3538. *lacteolata* LINTNER, Ent. Cont., iv, 112, 1878. Fla.
3539. *obfusaria* WALKER, Cat. Brit. Mus., xxiii, 786, 1861; PACKARD, C. 357. Atl. States.
syn. *punctofimbriata* PACKARD, Fifth Rept. Peab. Acad. Sci., 70, 1873; C. 333; HULST, Ent. News, vi, 71, 1895.
- *3540. *crossii* HULST, Can. Ent., xxxii, 105, 1900. Fla.
- *3541. *volucrata* HULST, Ent. Amer., ii, 186, 1887. Mo.
- *3542. *quæsitata* HULST, Bull. Brook. Ent. Soc., iii, 45, 1880. Col.
- *3543. *micropterata* HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901. Fla.
- *3544. *rotundopennata* PACKARD, C. 337. No. Atl. States.
- *3545. *persimilis* HULST, Can. Ent., xxx, 158, 1898. No. U. S.
3546. *inductata* GUENÉE, Spec. Gén., ix, 494, 1857; PACKARD, C. 340; HULST, Ent. News, vi, 71, 1895; DYAR, Psyche, ix, 226, 1901. Atl. States.
syn. *consecutaria* WALKER, Cat. Brit. Mus., xxxv, 1623, 1866; PACKARD, C. 358; *sobria* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359; ?*suppressaria* WALKER, Cat. Brit. Mus., xxvi, 1594, 1862; HULST, Ent. News, vi, 105, 1895 (type lost).
- *3547. *hanhamii* HULST, Can. Ent., xxx, 158, 1898. Man.
- *3548. *productata* PACKARD, C. 334, 1876. Atl. States.
- *3549. *australis* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896. Fla.
3550. *sideraria* GUENÉE, Spec. Gén., ix, 450, 1857; PACKARD, C. 350; HULST, Ent. Amer., ii, 222, 1887; PACKARD, C. 341. No. U. S.
syn. *californiaria* PACKARD, *californiata* PACKARD, *pacificaria* PACKARD.

*3550. 1. *refractaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861. East Fla.

3551. *anticaria* WALKER, Cat. Brit. Mus., xxvi, 1593, 1862; HULST, Ent. News, vi, 72, 1895. Atl. States.

syn. *subalbaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 28, 1873; C. 344.

*3551. 1. *basipunctaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861. East Fla.

EMMILTIS Hübner.

HÜBNER, Verz. bek. Schmett., 309, 1818; MEYRICK, Trans. Ent. Soc. Lond., 86, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896; *Anthometria* BOISDUVAL, Ind. Méth., 231, 1840; v. GUMPPENBERG, Nov. Act. Halle, xlix, 392, 1887.

3552. *sparsaria* WALKER, Cat. Brit. Mus., xxvi, 1596, 1862; HULST, Ent. News, vi, 42, 1895. Tex., Fla.

syn. *psilogrammaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 490, 1872; PACKARD, C. 430.

PENTOPODA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 307, 1896.

*3553. *miranda* HULST, Trans. Am. Ent. Soc., xxiii, 307, 1896. Tex.

SIGELA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

3554. *penumbrata* HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896. Fla., Cal.

LOPHOSIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

*3555. *labeculata* HULST, Ent. Amer., ii, 187, 1887. Col., Ariz.

GONIACIDALIA Packard.

PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 312; HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

3556. *furciferata* PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 312. Tex.

Subfamily GEOMETRINÆ.

ANNEMORIA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 375; HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896.

3557. *bistriaria* PACKARD, C. 378; HULST, Ent. Amer., ii, 140, 1886; iii, 193, 1888. Rocky Mts.

syn. *undinaria* STRECKER, Surv. Dept. Mo., Ruffner, app., 1862, 1878.

3558. **faseolaria** GUENÉE, Spec. Gén., ix, 351, 1857; Cal.
 WALKER, Cat. Brit. Mus., xxii, 534, 1861.
 syn. *fusceolaria* PACKARD, C. 375; *fasciolaria*
 HULST, Ent. Amer., ii, 141, 1886; *perviri-*
daria PACKARD, C. 379.
- *3559. **græflaria** HULST, Ent. Amer., ii, 123, 1886. Nev., Cal.
3560. **unitaria** PACKARD, Proc. Bost. Soc. Nat. Hist., Nev.
 xvi, 30, 1874; C. 376.

CHLOROCHLAMYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896.

3561. **chloroleucaria** GUENÉE, Spec. Gén., ix, 351, 1857; Atl.
 PACKARD, C. 370; GOODELL, Can. Ent., xii, 235, States,
 1880; HULST, Bull. Brook. Ent. Soc., ii, 78, Cal.
 1879; Ent. News, vi, 71, 1895.
 syn. *indiscriminaria* WALKER, Cat. Brit.
 Mus., xxvi, 1556, 1862; PACKARD, C. 375;
densaria WALKER, Cat. Brit. Mus., xxv,
 1557, 1862; PACKARD, C. 375; *deprivata*
 WALKER, Cat. Brit. Mus., xxvi, 1559, 1862;
 PACKARD, C. 396.
3562. **phyllinaria** ZELLER, Verh. zool.-bot. Ges. Wien, Rocky Mts.,
 479, 1872; HULST, Ent. Amer., ii, 141, 1886; Cal.
 Ent. News, vi, 71, 1895.
 syn. *zelleraria* PACKARD, C. 370.

NEMORIA Hübner.

HÜBNER, Verz. bek. Schmett., 285, 1818; PACKARD, C. 372; MEYRICK, Trans. Ent.
 Soc. Lond., 93, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896; *Chlorissa* STE-
 PHENS, West. & Hump., Brit. Moths, ii, 78, 1849.

3563. **pistaceata** GUENÉE, Spec. Gén., ix, 348, 1857; Atl.
 PACKARD, C. 374; HULST, Ent. News, vi, 71, 1895. States.
- syn. *superata* WALKER, Cat. Brit. Mus., xxxv,
 1612, 1866; PACKARD, C. 396.
3564. **subcroceata** WALKER, Cat. Brit. Mus., xxv, 1557, Atl.
 1862; PACKARD, C. 372; DYAR, Psyche, viii, 386, States.
 1899.
3565. **dyarii** HULST, Can. Ent., xxxii, 105, 1900. Atl. States.
- *3566. **auranticolorata** STRECKER, Lep. Rhop. Het., Fla.
 suppl. 2, 8, 1899.
- *3567. **euchloraria** GUENÉE, Spec. Gén., ix, 355, 1857; Atl.
 PACKARD, C. 396. States.

EUCROSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 283, 1818; PACKARD, C. 369; MEYRICK, Trans. Ent. Soc. Lond., 94, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 313, 1896.

3568. *incertata* WALKER, Cat. Brit. Mus., xxv, 1557, 1862; PACKARD, C. 372; HULST, Ent. News, vi, 71, 1895. Atl. States.

syn. *oporaria* ZELLER, Verh. zool.-bot. Ges. Wien, 481, 1872; *gratata* PACKARD, C., pl. 10, f. 79, 1876.

3569. *viridipennata* HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896; DYAR, Psyche, ix, 287, 1901. Col., Cal.

CHLOROPTERYX Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896.

- *3570. *tepperaria* HULST, Ent. Amer., ii, 122, 1886. So. States.

RACHEOSPILA Guenée.

GUENÉE, Spec. Gén., ix, 372, 1857; PACKARD, C. 384; HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896.

3571. *lixaria* GUENÉE, Spec. Gén., ix, 374, 1857; PACKARD, C. 384; HULST, Ent. News, vi, 71, 1895. Atl. States.

syn. *inclusaria* WALKER, Cat. Brit. Mus., xxii, 508, 1861; HULST, Ent. News, vi, 105, 1895; PACKARD, C. 395; *congruata* WALKER, Cat. Brit. Mus., xxii, 511, 1861; *extremaria* WALKER, Cat. Brit. Mus., xxii, 584, 1861; *rubrolineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 74, 1873; C. 390; *cupidenaria* GROTE, Can. Ent., xii, 218, 1880.

- *3572. *jaspidiaria* HULST, Ent. Amer., ii, 122, 1886. Fla.

- *3573. *hollandaria* HULST, Ent. Amer., ii, 122, 1886. Fla.

- *3574. *viridipurpurea* HULST, Can. Ent., xxx, 159, 1898. Fla.

3575. *saltusaria* HULST, Ent. Amer., ii, 122, 1886; DYAR, Psyche, ix, 118, 1900. Fla.

SYNCHLORA Guenée.

GUENÉE, Spec. Gén., ix, 375, 1857; PACKARD, C. 379; HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896; *Eunemoria* PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873.

3576. *hulstiana* DYAR, Proc. Ent. Soc. Wash., iv, 457, 1901. Fla.

3577. *louisa* HULST, Can. Ent., xxx, 159, 1898. Fla.
3578. *ærata* FABRICIUS, Syst. Ent., suppl., 238, 1798; HULST, Ent. News, vi, 71, 1895; AURIVILLIUS, Tidsk. Ent., xviii, 166, 1898. Atl. States.
- syn. *glaucaria* GUENÉE, Spec. Gén., ix, 377, 1857; PACKARD, C. 392; HULST, Ent. Amer., ii, 141, 1886; DYAR, Psyche, ix, 93, 1900; *mimicata* WALKER, Cat. Brit. Mus., xxxv, 1600, 1866; PACKARD, C. 395; *rubivora* RILEY, First Rept. Ins. Mo., 139, 1869; *rubivoraria* PACKARD, C. 382; SAUNDERS, Ins. Inj. Fruits, 316, 1883; FRENCH, Trans. Dept. Agr. Ill., xv, 238, 1877; *albolineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 75, 1873; *gracillaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 77, 1873.
- *3579. *viridipallens* HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896. Col., Ariz.
3580. *denticulata* WALKER, Cat. Brit. Mus., xxii, 536, 1861; HULST, Ent. News, vi, 71, 1895. U. S.
- syn. *excurvaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873; C. 381; DYAR, Ent. News, v, 62, 1894.
3581. *liquoraria* GUENÉE, Spec. Gén., ix, 375, 1857; PACKARD, C. 383; HULST, Ent. Amer., ii, 141, 1886; Ent. News, vi, 71, 1895. U. S.
- syn. *tricoloraria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 381.
- *3582. *texana* HULST, Can. Ent., xxx, 160, 1898. Tex.
3583. *rubrifrontaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 75, 1873; C. 383. Atl. States.
3584. *xysteraria* HULST, Ent. Amer., ii, 121, 1886. Fla.
3585. *dominicaria* GUENÉE, Spec. Gén., ix, 367, 1857; WALKER, Cat. Brit. Mus., xxii, 566, 1861; HULST, Ent. News, vi, 71, 1895. Fla.

CHLOROSEA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 376; HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896.

- *3586. *nevadaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 31, 1874; C. 378. Rocky M Pac. Sta

APLODES Guenée.

GUENÉE, Spec. Gén., ix, 376, 1857; PACKARD, C. 385; HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896; *Hipparchiscus* WALSH, Proc. Bost. Soc. Nat. Hist., ix, 300, 1864.

3587. **mimosaria** GUENÉE, Spec. Gén., ix, 377, 1857; PACKARD, C. 388; HULST, Ent. News, vi, 71, 1895; Ent. Amer., ii, 139, 1886; DYAR, Psyche, viii, 310, 1899. Atl.
States.

syn. *tractaria* WALKER, Cat. Brit. Mus., xxii, 540, 1861; *venusta* WALSH, Proc. Bost. Soc. Nat. Hist., ix, 301, 1864; *approxinaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 73, 1873; C. 391; Bull. U. S. Ent. Comm., vii, 49, 1881; *lataria* PACKARD, Fifth Rept. Peab. Acad. Sci., 74, 1873; C. 391; *coniferaria* PACKARD, Am. Nat., xviii, 933, 1884.

- *3588. **catachloa** HULST, Can. Ent., xxx, 160, 1898. Fla.

3589. **rubrifrontaria** PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873; C. 386. Atl. States,
Brit. Col.

syn. *packardaria* GROTE, New Check List, 46, 1882.

3590. **bistriaria** HÜBNER, Zutr. exot. Schmett., f. 103, 1818; PACKARD, C. 564; HULST, Ent. News, vi, 71, 1895. Atl.
States.

syn. *bifilata* WALKER, Cat. Brit. Mus., xxvi, 1585, 1862; *brunnearia* PACKARD, C. 388.

ANAPLODES Packard.

PACKARD, C. 392; HULST, Trans. Am. Ent. Soc., xxiii, 316, 1896.

3591. **zygotaria** HULST, Ent. Amer., ii, 121, 1886. Tex.

3592. **viridicaria** HULST, Bull. Brook. Ent. Soc., iii, 41, 1880; Ent. Amer., ii, 140, 1886. Col.,
Ariz.

a. albaria GROTE, Can. Ent., xv, 126, 1883.

- *3593. **obliqua** HULST, Can. Ent., xxx, 161, 1898. Col.

syn. *billonaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899.

- *3594. **rubromarginaria** PACKARD, C. 389; HULST, Ent. News, vi, 71, 1895. Atl.
States.

3595. **arizonaria** GROTE, Can. Ent., xv, 125, 1883. Cal.,
Ariz.

syn. *festaria* HULST, Ent. Amer., ii, 121, 1886.

3596. **pistacearia** PACKARD, C. 392, 1876. Rocky Mts.

- *3597. **junctolinearia** GRAEF, Bull. Brook. Ent. Soc., iii, 87, 1881; HULST, Ent. Amer., ii, 140, 1886. Rocky
Mts.

3598. **remotaria** WALKER, Cat. Brit. Mus., xxii, 530, 1861; HULST, Ent. News, vi, 71, 1895. Atl.
States.

a. consequaria HY. EDWARDS, Pap., iv, 19, 1884.

3599. *iridaria* GUENÉE, Spec. Gén., ix, 344, 1857; Rocky Mts.,
PACKARD, C. 394; HULST, Ent. News, vi, 71, 1895. Cal.
syn. *rectaria* GROTE, Can. Ent., ix, 157, 1877;
HULST, Ent. News, vi, 71, 1895.

3600. *illustraria* HULST, Ent. Amer., ii, 121, 1886. Cal.
syn. *iridaria* PACKARD (not GUENÉE), C. pl. 10,
f. 93, 1876.

Subfamily FERNALDELLINÆ.

FERNALDELLA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 318, 1896.

3601. *finetaria* GROTE & ROBINSON, Trans. Am. Ent. Rocky
Soc., iii, 182, 1870; GROTE, Bull. Buff. Soc., i, Mts.
88, 1873; PACKARD, C. 228; HULST, Ent. Amer.,
iii, 9, 1887.

syn. *halesaria* ZELLER, Verh. zool.-bot. Ges.
Wien, xxii, 488, 1872; xxv, 125, 1875.

a. partitaria GROTE, Can. Ent., xv, 130, 1883.

3602. *stalachtaria* STRECKER, Surv. Dept. Mo., Ruffner, Rocky
suppl., 1863, 1878; HULST, Ent. Amer., iii, 9, Mts.
1887.

a. alternaria GROTE, Can. Ent., xv, 27, 1883.

Subfamily FENNOMINÆ.

EPELIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896.

3603. *truncataria* WALKER, Cat. Brit. Mus., xxv, 1034, Atl. States,
1862; PACKARD, C. 230; v. GUMPPENBERG, Nov. Col.
Act. Halle, xlix, 388, 1894; HULST, Ent. News,
vi, 12, 1895; DYAR, Psyche, ix, 298, 1902.

syn. *faxonii* MINOT, Proc. Bost. Soc. Nat. Hist.,
xi, 83, 1869; PACKARD, C. 232.

EUFIDONIA Packard.

PACKARD, C. 225; HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896; v. GUMPPENBERG,
Nov. Act. Halle, xlix, 397, 1887.

3604. *notataria* WALKER, Cat. Brit. Mus., xxi, 407, Atl.
1860; PACKARD, C. 226; GOODELL, Can. Ent., xiv, States.
199, 1882; HULST, Ent. News, vi, 12, 1895.

syn. *discospilata* WALKER, Cat. Brit. Mus.,
xxiv, 1034, 1862.

a. fidoniata WALKER, Cat. Brit. Mus., xxiv, 1183,
1862; v. GUMPPENBERG, Nov. Act. Halle, xlix,
398, 1887.

syn. *bicolorata* MINOT, Proc. Bost. Soc. Nat.
Hist., xi, 83, 1869; *quadripunctaria* MORRI-
SON, Proc. Bost. Soc. Nat. Hist., xvi, 199,
1874.

ORTHOFIDONIA Packard.

PACKARD, C. 235; HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896.

3605. **exornata** WALKER, Cat. Brit. Mus., xxiv, 1187, 1862; PACKARD, C. 236; v. GUMPPENBERG, Nov. Act. Halle, xlix, 400, 1887; HULST, Ent. News, vi, 42, 1895. Atl. States.
 syn. *albifusata* WALKER, Cat. Brit. Mus., xxvi, 1728, 1862.
3606. **semiclarata** WALKER, Cat. Brit. Mus., xxxv, 1653, 1866; PACKARD, C. 302; HULST, Ent. News, v, 304, 1894. Atl. States.
 syn. *viatica* HARVEY, Buff. Bull. Soc., i, 265, 1874.
3608. **vestaliata** GUENÉE, Spec. Gén., x, 59, 1857; PACKARD, C. 301. Atl. States, Col.
 syn. *junctaria* WALKER, Can. Nat., vi, 39, 1861; Cat. Brit. Mus., xxvi, 1593, 1862; GROTE, Can. Ent., ix, 27, 1877.
- *3609. **elsinora** HULST, Jn. N. Y. Ent. Soc., viii, 218, 1900. Cal.

DASYFIDONIA Packard.

PACKARD, C. 233; HULST, Trans. Am. Ent. Soc., xxiii, 23, 325, 1896.

3610. **avuncularia** GUENÉE, Spec. Gén., x, 145, 1857; PACKARD, C. 234; v. GUMPPENBERG, Nov. Act. Halle, xlix, 386, 1887. Col. to Cal.

HELIOMATA Grote.

GROTE, Proc. Ent. Soc. Phil., vi, 29, 1866; PACKARD, C. 190; v. GUMPPENBERG, Nov. Act. Halle, xlix, 368, 1887; HULST, Trans. Am. Ent. Soc., xxiii, 325, 1896.

3611. **infulata** GROTE, Proc. Ent. Soc. Phil., ii, 67, 1863; PACKARD, C. 191. Atl. States.
- *3612. **elaborata** GROTE, Proc. Ent. Soc. Phil., ii, 67, 1863; PACKARD, C. 191. Va.
3613. **cycladata** GROTE, Proc. Ent. Soc. Phil., vi, 30, 1866; PACKARD, C. 192; DYAR, Psyche, ix, 177, 1901. Atl. States, Mont.

MELLILLA Grote.

GROTE, Bull. Buff. Soc., i, 12, 1873; HULST, Trans. Am. Ent. Soc., xxiii, 325, 1896.

3614. **inextricata** WALKER, Cat. Brit. Mus., xxiv, 1038, 1862; PACKARD, C. 295; HULST, Ent. News, v, 304, 1894. Atl. States.
 α. **xanthometata** WALKER, Cat. Brit. Mus., xxiv, 1038, 1862.
 syn. *snoviaria* PACKARD, C. 222.

3615. *chamæchrysaria* GROTE, Bull. Buff. Soc., i, 13, 1873; Can. Ent., x, 152, 1878. Atl. States.
syn. *rilevaria* PACKARD, C. 221.

CHLORASPILATES Packard.

PACKARD, C. 211; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3616. *bicoloraria* PACKARD, C. 212; GROTE, Can. Ent., xiv, 109, 1882. Rocky Mts.
a. arizonaria GROTE, Pap., ii, 80, 1882.
3617. *profugaria* HERRICH - SCHAEFFER, Ausser. No. Am. Schmett., 66, f. 410, 1855; PACKARD, C. 212.

PSYSOSTEGANIA Warren.

WARREN, Nev. Zool., i, 406, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3618. *pustularia* GUENÉE, Spec. Gén., x, 49, 1857; Atl. States.
PACKARD, C. 310; U. S. Ent. Comm., vii, 112, 1881; SAUNDERS, Can. Ent., iii, 225, 1871; HULST, Ent. News, v, 304, 1894.

GUENERIA Packard.

PACKARD, C. 307; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3619. *basiaria* WALKER, Cat. Brit. Mus., xxvi, 1508, 1862; HULST, Ent. News, v, 304, 1896. Atl. States.
syn. *basiata* PACKARD, C. 308; *incoloraria* WALKER, Cat. Brit. Mus., xxvi, 1509, 1862; PACKARD, C. 498; *congrua* WALKER, Cat. Brit. Mus., xxxv, 1623, 1866; PACKARD, C. 358.

DEILINIA Hübner.

HÜBNER, Verz. bek. Schmett., 310, 1818; PACKARD, C. 305; MEYRICK, Trans. Ent. Soc. Lond., 108, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896; *Sphecodes* HÜBNER (not LATREILLE), Tentamen, 1806; *Cabera* TREITSCHKE, Schmett. Eur., vi, 1, 343, 1827; STEPHENS, Brit. Ins., 44, 1829; DUPONCHEL, Lép. Fr., viii, (v), 5, 1830; LEDERER, Verh. zool.-bot. Ges. Wien, 200, 1853; GUENÉE, Spec. Gén., x, 52, 1857.

- *3620. *borealis* HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896. Alberta.
- *3621. *elimaria* HULST, Ent. Amer., ii, 186, 1882. Col., Man.
- *3622. *quadrifasciaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 62, 1873; C. 205. Rocky Mts.
3623. *variolaria* GUENÉE, Spec. Gén., x, 56, 1857; Atl. States.
PACKARD, C. 306; HULST, Ent. News, v, 304, 1894.
syn. *intentata* WALKER, Cat. Brit. Mus., xxiii, 870, 1861; PACKARD, C. 306.

3624. **erythremaria** GUENÉE, Spec. Gén., x, 56, 1857; PACKARD, C. 306. Atl. States.
3625. **exanthemata** SCOPOLI, Ent. Car., 218, 552, 1763; STAUDINGER, Cat. Lep. Eur., 155, 1871. Can., Eur.
 syn. *exanthemaria* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 107, 5, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3714, 1901; HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896; *striaria* HÜBNER, *arenosaria* HAWORTH, *approximaria* HAWORTH.
- *3626. **pacificaria** PACKARD, C. 307, 1876. Brit. Col.
- *3627. **nevadaria** HULST, Ent. Amer., iii, 217, 1888. Nev., Cal.
3628. **fœminaria** GUENÉE, Spec. Gén., x, 149, 1857; WALKER, Cat. Brit. Mus., xxiv, 1029, 1862; HULST, Ent. News, vi, 104, 1896. Col., Cal.
 syn. *celataria* HULST, Ent. Amer., iii, 216, 1888; *monicaria* GUENÉE, Spec. Gén., x, 100, 1857 (type lost).
3629. **falcataria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 32, 1874; C. 423. Pac. States.
3630. **carnearia** HULST, Ent. Amer., iii, 216, 1888. Cal.
3631. **biflata** HULST, Bull. Brook. Ent. Soc., iii, 44, 1880. Rocky Mts.
3632. **perpallidaria** GROTE, Can. Ent., xiv, 185, 1882; Can. Ent., xv, 25, 1883. Col., Cal., Brit. Col.
3633. **litaria** HULST, Ent. Amer., ii, 211, 1887. Rocky Mts., Cal.
3634. **pulveraria** HULST, Can. Ent., xxx, 161, 1898. Brit. Col.
3635. **quadraria** GROTE, Can. Ent., xiv, 185, 1882. Cal., Col., Nev.
3636. **liberaria** WALKER, Cat. Brit. Mus., xx, 239, 1860; HULST, Ent. Amer., iii, 10, 1887; Ent. News, vi, 15, 1895; PACKARD, C. 297. Atl. States.
 syn. *integraria* WALKER, Cat. Brit. Mus., xxiii, 889, 1861; *lintneraria* PACKARD, Sixth Rept. Peab. Acad. Sci., 44, 1874; C. 209; GOODELL, Can. Ent., x, 40, 1878.
3637. **nigroseriata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 40, 1878; C. 246. No. U. S.
3638. **behrensaria** HULST, Ent. Amer., ii, 210, 1887; Ent. News, vi, 15, 1895. Rocky Mts., Pac. States.
 syn. *uniculcaria* GUENÉE, Spec. Gén., x, 100, 1857; PACKARD, C. 275.
a. cervinicolor HULST, Can. Ent., xxx, 161, 1898.
3639. **fumosa** HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896. Col., Cal.

- *3640. **solamata** HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901. Man.

EPISEMASIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896.

- *3641. **morbosa** HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896. Fla.

3642. **cervinaria** PACKARD, Fifth Rept. Peab. Acad. Sci., 81, 1873; C. 532. Tex.

SCIAGRAPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 329, 1896.

3643. **sublacteolaria** HULST, Ent. Amer., ii, 189, 1887. Miss. Vall.

- *3644. **colorata** GROTE, Can. Ent., xv, 7, 1883. Ariz., N. Mex.

3645. **maculifascia** HULST, Trans. Am. Ent. Soc., xxiii, 329, 1896. Miss. Vall.

- *3646. **flavivenata** HULST, Can. Ent., xxx, 163, 1898. No. Atl. States.

3647. **granitata** GUENÉE, Spec. Gén., x, 85, 1857; PACKARD, C. 285; HULST, Ent. News, v, 304, 1894; DYAR, Ent. News, v, 63, 1894. Atl. States.

syn. *contemptata* GUENÉE, Spec. Gén., x, 86, 1857; PACKARD, C. 294; *haliata* GUENÉE, Spec. Gén., x, 97, 1857; PACKARD, C. 356; *dispuncta* WALKER, Cat. Brit. Mus., xxi, 405, 1861; PACKARD, Rept. Geol. Surv. Terr., v, 553, 1875; *inordinaria* WALKER, Cat. Brit. Mus., xxi, 488, 1860; GROTE, Can. Ent., ix, 27, 1877; *retractaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861; PACKARD, C. 356; *submarmorata* WALKER, Cat. Brit. Mus., xxiii, 887, 1861; *exauspicata* WALKER, Cat. Brit. Mus., xxiii, 889, 1861; *irregulata* WALKER, Cat. Brit. Mus., xxiii, 890, 1861; *ordinata* WALKER, Cat. Brit. Mus., xxiv, 1038, 1862; *exnotata* WALKER, Cat. Brit. Mus., xxiv, 1186, 1862; *abruptata* WALKER, Cat. Brit. Mus., xxv, 1326, 1862; PACKARD, Fifth Rept. Peab. Acad. Sci., 88, 1873; *fissinotata* WALKER, Cat. Brit. Mus., xxvi, 1595, 1862; *subapicaria* WALKER, Can. Nat., vi, 40, 1861; Cat. Brit. Mus., xxvi, 1641, 1862; *retinotata* WALKER, Cat. Brit. Mus., xxvi, 1642, 1862; *quadrisignata* WALKER, Cat. Brit. Mus., xxxv, 1665, 1866; *sexmaculata* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 44, 1867; *succosata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 485, 1872; *unimodaria* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 196, 1874.

3648. *denticulata* GROTE, Can. Ent., xv, 133, 1883; HULST, Ent. Amer., ii, 223, 1887. Rocky Mts.
syn. *sexpunctata* BATES, Can. Ent., xviii, 75, 1886.
3649. *muscaria* GUENÉE, Spec. Gén., x, 98, 1857; PACKARD, C. 274; HULST, Ent. News, vi, 104, 1895. Col., Nev., Cal.
syn. *delectata* HULST, Ent. Amer., ii, 190, 1887.
3650. *punctolineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 64, 1873; C. 284. Rocky Mts.
3651. *heliothidata* GUENÉE, Spec. Gén., x, 79, 1857; WALKER, Cat. Brit. Mus., xxiii, 891, 1861; HULST, Ent. News, v, 305, 1894; DYAR, Psyche, ix, 203, 1901.
syn. *ocellinata* GUENÉE, Spec. Gén., x, 85, 1857; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 486, 1872; PACKARD, C. 283; *restorata* WALKER, Cat. Brit. Mus., xxii, 726, 1861; *subcolumbata* WALKER, Cat. Brit. Mus., xxvi, 1676, 1862; *duplicata* PACKARD, Fifth Rept. Peab. Acad. Sci., 65, 1873.
3652. *californiaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 392, 1871; xvi, 27, 1874; Rept. Geol. Surv. Terr., v, 553, 1873. Pac. States, Rocky Mts.
syn. *californiata* PACKARD, C. 281; GROTE, Can. Ent., xv, 8, 1883; *pallidata* PACKARD, Fifth Rept. Peab. Acad. Sci., 64, 1873.
3653. *respersata* HULST, Bull. Brook. Ent. Soc., iii, 42, 1880. Rocky Mts., B. C.
- *3654. *nubiculata* PACKARD, C. 267; HULST, Ent. Amer., ii, 224, 1886. Cal., Wyo., Ariz.
syn. *colata* GROTE, Pap., i, 167, 1881.
3655. *irrorata* PACKARD, C. 273; BUTLER, Pap., i, 222, 1882; DYAR, Ent. News, v, 63, 1894. Col., Ariz., Cal.
3656. *neptaria* GUENÉE, Spec. Gén., x, 99, 1857; WALKER, Cat. Brit. Mus., xxiii, 957, 1861.
syn. *neptata* PACKARD, C. 273; GROTE, Can. Ent., xv, 8, 1883; HULST, Ent. Amer., ii, 223, 1887; *flavofasciata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 394, 1871; *cinerenta* BATES, Can. Ent., xviii, 75, 1886.
- *3657. *hebitata* HULST, Bull. Brook. Ent. Soc., iv, 34, 1881. Col., Ariz., Wash.
3658. *sinuata* PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; C. 271. Pac. States, Col.

3659. **snoviata** PACKARD, C. 268.
 syn. *subminiata* PACKARD (not PACKARD), Sixth Rept. Peab. Acad. Sci., 49, 1874. Pa., Kans.
3660. **pervolata** HULST, Bull. Brook. Ent. Soc., iii, 42, 1880. Col., Ariz.
3661. **meadiaria** PACKARD, Sixth Rept. Peab. Acad. Sci., 47, 1874. Col., Ariz.
 syn. *meadiata* PACKARD, C. 269.
3662. **continuata** WALKER, Cat. Brit. Mus., xxv, 1445, 1862; HULST, Ent. Amer., iii, 114, 1887; Ent. News, vi, 12, 1895. Atl. and Pac. States.
 syn. *orillata* WALKER, Cat. Brit. Mus., xxvi, 1740, 1862; PACKARD, C. 265; *strigularia* WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 211; *excurvata* PACKARD, Sixth Rept. Peab. Acad. Sci., 47, 1874; *curvata* GROTE, Bull. Brook. Ent. Soc., iii, 47, 1880; *cruciata* GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 55, 1883.
a. atrofasciata PACKARD, C. 264.
3663. **spodopterata** HULST, Can. Ent., xxx, 162, 1898. Cal., Col.
3664. **mellistrigata** GROTE, Bull. Buff. Soc., i, 12, 1873; HULST, Ent. Amer., ii, 224, 1887; PACKARD, C. 269. No. U. S.
a. trifasciata PACKARD, Sixth Rept. Peab. Acad. Sci., 46, 1874; C. 270.
3665. **subminiata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 25, 1874; C. 272. Mont., Cal.

PHILOBIA Duponchel.

DUPONCHEL, Hist. Nat., vii, 195, 1829; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896.

3666. **notata** LINNÆUS, Syst. Nat., 523, 1758; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3782, 1901. Atl. States, Eur.
 syn. *notaria* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, v, 104, 1776.
3667. **enotata** GUENÉE, Spec. Gén., x, 69, 1857; PACKARD, C. 288; HULST, Ent. News, v, 305, 1894; Trans. Am. Ent. Soc., xxiii, 330, 1896. U. S.
 syn. *æmulataria* WALKER, Cat. Brit. Mus., xxiii, 884, 1861; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 487, 1872; *sectomaculata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 198, 1874; *notata* CRAMER (not LINNÆUS), Pap. Exot., iv, pl. 371, f. F., 1782.

MACARIA Curtis.

CURTIS, Brit. Ent., vi, 132, 1826; PACKARD, C. 279; HOFMANN, Gr. Schm. Eur., 175, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896.

3668. *infimata* GUENÉE, Spec. Gén., x, 81, 1857; ATL. STATES.
WALKER, Cat. Brit. Mus., xxiii, 907, 1861;
HULST, Ent. News, v, 305, 1894.
syn. *gnophosaria* GUENÉE, Spec. Gén., x, 99, 1857; PACKARD, C. 275; *infectata* WALKER, Cat. Brit. Mus., xxv, 1332, 1862; *seductata* WALKER, Cat. Brit. Mus., xxvi, 1654, 1862; *cæsiaria* HULST, Ent. Amer., iii, 217, 1887.
3669. *s-signata* PACKARD, Fifth Rept. Peab. Acad. Sci., ROCKY MTS.,
63, 1873; C. 280; GROTE, Can. Ent., xv, 7, 127, CAL.
1883.
3670. *pictipennata* HULST, Can. Ent., xxx, 162, 1898. COL., ARIZ.
- *3671. *labradoriata* MÖSCHLER, Stett. ent. Zeit., 118, LAB.
1883.
- *3672. *sabularia* GUENÉE, Spec. Gén., x, 105, 1857; NO.
PACKARD, C. 276; HULST, Ent. News, vi, 105, AM.
1896 (type lost).
3673. *eremiata* GUENÉE, Spec. Gén., x, 109, 1857; PACK- ATL.
ARD, C. 278; HULST, Ent. News, vi, 12, 105, 1895. STATES.
syn. *retectata* WALKER, Cat. Brit. Mus., xxiii, 959, 1861; *gradata* WALKER, Cat. Brit. Mus., xxiii, 968, 1861; *retentata* WALKER, Cat. Brit. Mus., xxiii, 968, 1861; *subcinctaria* WALKER, Cat. Brit. Mus., xxvi, 1655, 1862.
3674. *hypæthrata* GROTE, Pap., i, 167, 1881. ROCKY MTS.
3675. *æquiferaria* WALKER, Cat. Brit. Mus., xxiii, 886, ATL. STATES,
1861; PACKARD, C. 295; HULST, Ent. Amer., ARIZ.
iii, 114, 1888; Ent. News, v, 305, 1894.
syn. *postrema* WALKER, Cat. Brit. Mus., xxiii, 887, 1861; PACKARD, C. 295; *morosaria* WALKER, Cat. Brit. Mus., xxiii, 942, 1861; *galbiniata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 484, 1872; PACKARD, C. 290.
3676. *minorata* PACKARD, Fifth Rept. Peab. Acad. Sci., ATL.
66, 1873; C. 291. STATES.
3677. *grassata* HULST, Bull. Brook. Ent. Soc., iv, 33, ATL.
1881; Ent. Amer., ii, 223, 1887. STATES.
- *3678. *præatomata* HAWORTH, Lep. Brit., 345, 1810; ATL.
PACKARD, C. 291; HULST, Ent. Amer., ii, 223, STATES.
1887.
syn. *consepia* WALKER, Cat. Brit. Mus., xxiii, 941, 1861.

- a. bisignata* WALKER, Cat. Brit. Mus., xxxv, 1655, 1866; PACKARD, C. 290.
syn. *consimilata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 483, 1872.
- *3679. *quadrisignata* WALKER, Cat. Brit. Mus., xxxv, 1655, 1866. No. Am.
3680. *simulata* HULST, Ent. Amer., ii, 188, 1887. Tex., Ariz.
syn. *similata* HULST, Trans. Am. Ent. Soc., xxiii, 331, 1896.
3681. *mendicata* HULST, Ent. Amer., ii, 189, 1887. N. Mex., Ariz.
3682. *septemfluaria* GROTE, Pap., i, 41, 1881; HULST, Ent. Amer., ii, 223, 1887; Ent. News, v, 304, 1894. Atl. States.
syn. ? *quadrinotata* HERRICH-SCHAEFFER, Auss. Schmett., f. 347, 1855; *septemlinearia* GROTE.
3683. *glomeraria* GROTE, Pap., i, 41, 1881; Can. Ent., xiii, 139, 1881; Pap., ii, 84, 1882; HULST, Ent. News, v, 304, 1894. Atl. States.
- *3684. *teucaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Wash.
- *3685. *ancillaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Fla.
- *3686. *lapitaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Tex., Mex.
- *3687. *ægaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Col.
- *3687. 1. *dispuncta* WALKER, Cat. Brit. Mus., xxi, 405, 1860. Can.

CYMATOPHORA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 427; HARVEY, Bull. Buff. Soc., i, 276, 1873; *Diasictis* HÜBNER, Verz. bek. Schmett., 288, 1818; MEYRICK, Trans. Ent. Soc. Lond., 103, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 331, 1896; *Itama* HÜBNER, Verz. bek. Schmett., 299, 1818; *Rhyparia* HÜBNER, Verz. bek. Schmett., 305, 1818; *Dryocetis* HÜBNER, Verz. bek. Schmett., 316, 1818; *Speranza* CURTIS, Brit. Ent., v, 222, 1825; *Grammatophora* STEPHENS, Cat., 126, 1829; *Halia* DUPONCHEL, Hist. Nat., vii, 537, 1829; GUENÉE, Spec. Gén., x, 91, 1857; HOFMANN, Gr. Schm. Eur., 188, 1894; *Thamnonoma* LEDERER, Verh. zool.-bot. Ges. Wien, 233, 1853; PACKARD, C. 249; *Tephрина* GUENÉE, Spec. Gén., x, 96, 1857; *Eumacaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 67, 1874; C. 298; *Eufitchia* PACKARD, C. 247; *Catantictis* v. GUMPPENBERG, Nov. Act. Halle, lxix, 370, 1887.

- *3688. *deleta* HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. S.
- *3689. *virginalis* HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. A. Sta.

3690. **ribearia** FITCH, Trans. N. Y. Agr. Soc., viii, 466, 1848; Third Rept. Ins. N. Y., 427, 1856; WALSH, Pract. Ent., 22, 1865; SAUNDERS, Rept. Ent. Soc. Ont., 374, 1874; Can. Ent., vi, 138, 1874; Ins. Inj. Fruits, 345, 1883; PACKARD, C. 248; RILEY, Rept. Ins. Mo., ix, 3, 1877; LINTNER, Ent. Cont., iii, 166, 1872; HULST, Ent. News, vi, 104, 1895. Atl.
States.
- syn. *sigmaria* GUENÉE, Spec. Gén., ix, 184, 1857; WALKER, Cat. Brit. Mus., xxiv, 1068, 1862; *annisaria* WALKER, Can. Nat., v, 260, 1860; *aniusaria* WALKER, Cat. Brit. Mus., xxvi, 1507, 1862; PACKARD, C. 497; *grossulariata* SAUNDERS, Rept. Ent. Soc. Ont., xii, 83, 1881.
- *3691. **sulphurea** PACKARD, Fifth Rept. Peab. Acad. Sci., 77, 1873. No.
U. S.
- syn. *sulphuraria* PACKARD, C. 255.
3692. **occiduaris** PACKARD, Sixth Rept. Peab. Acad. Sci., 52, 1874; C. 473. Pac.
States.
3693. **flavicaria** PACKARD, C. 256. No. Atl.
States.
- *3694. **fascioferaria** HULST, Ent. Amer., ii, 191, 1887. No. U. S.
3695. **brunneata** THUNBERG, Diss. Ent., i, 9, 1784; STAUDINGER & WOCKE, Cat. Lep. Eur., i, no. 2451, 1871; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 4018, 1901; PACKARD, C. 256. No. U. S.,
Eur.
- syn. *pinetaria* HÜBNER, *quinquaria* HÜBNER, *sylvaria* CURTIS, *cembraria* MOTSCHULSKY, *ferruginaria* PACKARD.
- *3696. **crocearia** HULST, Ent. Amer., ii, 211, 1887. Tex.
3697. **ella** HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. Wash.
- *3698. **cervinaria** BLANCHARD, Gay's Hist. Chile, Zool., vii, 89, 1852; HULST, Ent. News, v, 305, 1894. Fla., Tex.,
Ariz., So. Am.
- syn. *eversaria* GUENÉE, Spec. Gén., ix, 93, 1857; WALKER, Cat. Brit. Mus., xx, 116, 1860; *rithusaria* WALKER, Cat. Brit. Mus., xx, 162, 1860; *tegularia* WALKER, Cat. Brit. Mus., xx, 228, 1860.
- a. **gausaparia** GROTE, Pap., i, 41, 1881.
- *3699. **nicetaria** GUENÉE, Spec. Gén., x, 107, 1857; HULST, Ent. News, v, 305, 1894. Fla.
- syn. *proditata* WALKER, Cat. Brit. Mus., xxii, 633, 1861; *confinaria* WALKER, Cat. Brit. Mus., xxiii, 959, 1861; *cyclata* WALKER, Cat. Brit. Mus., xxvi, 1669, 1862; *liboraria* WALKER, Cat. Brit. Mus., xxvi, 1495, 1862; *lucidiferata* WALKER, Cat. Brit. Mus., xxvi, 1574, 1862; *vagaria* WALKER, Cat. Brit. Mus., xxvi, 1685, 1862.

- *3700. **solitaria** WALKER, Cat. Brit. Mus., xxii, 631, 1861; HULST, Ent. News, v, 306, 1894. Fla.
 syn. *stabilitata* WALKER, Cat. Brit. Mus., xxii, 632, 1861; *repugnata* WALKER, Cat. Brit. Mus., xxvi, 1577, 1862.
a. inaptata WALKER, Cat. Brit. Mus., xxiii, 886, 1861; PACKARD, C. 297.
- *3701. **helena** HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. N. Y.
- *3702. **nervata** GUENÉE, Spec. Gén., x, 85, 1857; WALKER, Cat. Brit. Mus., xxiii, 910, 1861. Fla.
 syn. *tractata* WALKER, Cat. Brit. Mus., xxiii, 890, 1861; PACKARD, C. 296.
3703. **inceptaria** WALKER, Cat. Brit. Mus., xxvi, 1667, 1862; HULST, Ent. News, vi, 11, 1895; SLINGERLAND, Rural New Yorker, 497, 1896. Atl. States.
 syn. *argillacearia* PACKARD, Sixth Rept. Peab. Acad. Sci., 48, 1874; C. 258; *modestaria* HULST, Ent. News, vi, 11, 1895.
- *3704. **evagaria** HULST, Can. Ent., xxxii, 106, 1900. Col., Alberta, Minn., Ont.
3705. **subcessaria** WALKER, Cat. Brit. Mus., xxiii, 945, 1861; PACKARD, C. 254; HULST, Ent. News, v, 306, 1894. U. S.
 syn. *perarcuata* WALKER, Cat. Brit. Mus., xxiv, 1264, 1862.
a. coortaria HULST, Ent. Amer., ii, 191, 1887.
3706. **bitactata** WALKER, Cat. Brit. Mus., xxiv, 1264, 1862; HULST, Ent. News, v, 306, 1894. U. S.
 syn. *quadrilinearia* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 26, 1874; C. 252.
- *3707. **packardaria** MÖSCHLER, Stett. ent. Zeit., 119, 1883. Lab.
3708. **wanaria** LINNÆUS, Syst. Nat., 522, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 4013, 1901. No. U. S., Eur.
 syn. *wavaria* FABRICIUS, Syst. Ent., iii, 2, 150, 1794; PACKARD, C. 253; HOFMANN, Gr. Schm. Eur., 189, 1894; *vauaria* SCHRANK, Faun. Boica, ii, 2, 24, 1802; *wawaria* HERICH-SCHAEFFER; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884; *fuscaria* THUNBERG, Diss. Ent., iv, 58, 1794; *v-nigraria* HAWORTH, Lep. Brit., 282, 1829; *atrosignata* WALKER, Cat. Brit. Mus., xxv, 1457, 1862; *circumflexaria* EVERSMAAN, Bull. Mosc., iii, 226, 1848.

3709. *pustularia* HÜBNER, Zutr. exot. Schmett., f. 879, 1837; PACKARD, C. 564; HULST, Ent. News, vi, 106, 1895. Atl. States.
- syn. *latiferrugata* WALKER, Cat. Brit. Mus., xxvi, 1640, 1862; PACKARD, C. 296; HULST, Ent. News, v, 304, 1894; *brunneata* PACKARD, Fifth Rept. Peab. Acad. Sci., 67, 1873; Rept. Geol. Surv. Terr., v, 553, 1873; *brunnearia* PACKARD, C. 298; GOODELL, Can. Ent., x, 66, 1878; KELLCOTT, Can. Ent., xvii, 32, 1885.
3710. *graphidiaria* HULST, Ent. Amer., ii, 190, 1887. Ariz., N. M., Mex., Tex.
3711. *octolineata* HULST, Ent. Amer., ii, 189, 1887. Ariz.
- *3712. *particolor* HULST, Can. Ent., xxx, 163, 1898. Fla.
- *3713. *marinaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Wash.
- *3714. *floridensis* HULST, Can. Ent., xxx, 164, 1898. Fla.
- *3715. *decorata* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. Col.
- *3716. *sericeata* HULST, Can. Ent., xxx, 191, 1898. Ariz., Col.
3717. *olivalis* HULST, Can. Ent., xxx, 191, 1898. ? Tex.
3718. *benigna* HULST, Can. Ent., xxx, 191, 1898. Cal.
- *3719. *pervelata* WALKER, Cat. Brit. Mus., xxvi, 1760, 1862; PACKARD, C. 276; HULST, Ent. News, vi, 105, 1895 (type lost). Ga.
3720. *rectifascia* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. Wash.
3721. *guenearia* PACKARD, C. 252, 1876. Cal.
3722. *tenebrosata* HULST, Ent. Amer., ii, 189, 1887. Ariz.
- *3723. *subalbaria* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. U. S.
3724. *minuta* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. Tex., Ariz.
- *3725. *maricopa* HULST, Can. Ent., xxx, 164, 1898. Ariz.
3726. *abbreviata* WALKER, Cat. Brit. Mus., xxvi, 1673, 1862; PACKARD, C. 210; HULST, Ent. News, vi, 105, 1896. Atl. States.
- syn. *florida* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896.
- *3727. *crassata* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. Col.

- *3728. **deceptata** HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. N. Y.
- *3729. **pallidula** HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. Col.
- *3730. **subacuta** HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col., Nev.
- *3731. **cinereola** HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col.
3732. **umbriferata** HULST, Ent. Amer., ii, 189, 1887. Col., Cal.,
syn. *umbrifasciata* HULST, Trans. Am. Ent. N. Mex.
Soc., xxiii, 332, 1896.
3733. **inquinaria** HULST, Ent. Amer., ii, 189, 1887. Col., Cal.
3734. **denticulodes** HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. N. Y.,
Col.
- *3735. **festā** HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col.
- *3736. **subfalcata** HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col.,
Man.
- *3737. **bicolorata** FABRICIUS, Syst. Ent., suppl., 149, Fla.,
1794; GUENÉE, Spec. Gén., x, 77, 1857; PACK- Cal.,
ARD, C. 294; WALKER, Cat. Brit. Mus., xxiii, Alberta.
883, 1861.
- *3738. **distribuarīa** HÜBNER, Zutr. exot. Schmett., f. Atl.
585, 1825; PACKARD, C. 293; HULST, Ent. News, States.
v, 305, 1896.
syn. *oppositaria* GUENÉE, Spec. Gén., x, 76,
1857; PACKARD, C. 293; *proxanthata*
WALKER, Cat. Brit. Mus., xxvi, 1642, 1862;
PACKARD, C. 297; *antaurata* WALKER, Cat.
Brit. Mus., xxvi, 1686, 1862.
a. transitaria WALKER, Cat. Brit. Mus., xxiii,
886, 1861; PACKARD, C. 295.
- *3739. **donotaria** WALKER, Cat. Brit. Mus., xxvi, 1673. Ga.
1862 (type lost).
3739. 1. **speciosa** HULST, Trans. Am. Ent. Soc., xxiii, N. Mex.
332, 1896.

NYCTIPHANTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 336, 1896.

- *3740. **lætula** HULST, Trans. Am. Ent. Soc., xxiii, 336, Ariz.
1896.

APOLEMA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 336, 1896.

- *3741. **carata** HULST, Ent. Amer., ii, 211, 1887. F.

EUASPILATES Packard.

PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; C. 203; HULST, Trans. Ent. Soc., xxiii, 337, 1896.

3742. *spinataria* PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; Rept. Geol. Surv. Terr., v, 551, 1875; C. 204; STRECKER, Surv. Dept. Mo., Ruffner, App. SS, 1863, 1878; BRUCE, Ent. Amer., iii, 49, 1887. Rocky Mts.

ANTHELIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 337, 1896.

- *3743. *taylorata* HULST, Trans. Am. Ent. Soc., xxiii, 337, 1896. Brit. Col.

SYMPHERTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896.

3744. *julia* HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896. Atl. States, Rocky Mts.
- *3745. *coloradensis* HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896. Col.
3746. *marcessaria* GUENÉE, Spec. Gén., x, 92, 1857; PACKARD, C. 251; HULST, Ent. Amer., iii, 9, 1887. Cal., Col.
- a. cineraria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 392, 1871.
3747. *tripunctaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 26, 1874; C. 250; BUTLER, Pap., i, 222, 1882; HULST, Ent. News, vi, 11, 1895. Cal., Brit. Col.
- syn. ? *lorquinaria* GUENÉE, Spec. Gén., x, 101, 1857; WALKER, Cat. Brit. Mus., xxiii, 958, 1861; HULST, Ent. Amer., iii, 9, 1887; Ent. News, vi, 11, 1895 (type lost).

HOMOCHLODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

3748. *fritillaria* GUENÉE, Spec. Gén., x, 136, 1857; PACKARD, C. 489; HULST, Ent. News, v, 306, 1894. No. Atl. States.
- syn. *discoventa* WALKER, Cat. Brit. Mus., xxi, 404, 1860; PACKARD, C. 243; GROTE, Can. Ent., ix, 28, 1877; HULST, Ent. News, v, 306, 1894; *latispargaria* WALKER, Can. Nat., vi, 41, 1861; Cat. Brit. Mus., xxv, 1387, 1862; *immersata* WALKER, Cat. Brit. Mus., xxiv, 1228, 1862.

- *3749. *famulata* HULST, Ent. Amer., ii, 191, 1887. Ont.

THALLOPHAGA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

- *3750. *fantaria* HULST, Ent. Amer., iii, 216, 1888; Ent. News, v, 306, 1894. Cal., Col., B. C.

ÆTHYCTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

- *3751. *electa* HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896. Cal.

- *3752. *lineata* HULST, Can. Ent., xxx, 192, 1898. Col.

APÆCASIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

3753. *detersata* GUENÉE, Spec. Gén., x, 105, 1857; PACKARD, C. 243. N. E. States, Col.

- *3754. *deductaria* WALKER, Cat. Brit. Mus., xx, 237, 1860; HULST, Ent. News, vi, 13, 1895. No. Atl. States.

syn. *atropunctata* PACKARD, Sixth Rept. Peab. Acad. Sci., 50, 1874; C. 244; GROTE, Can. Ent., xii, 219, 1880; *fernaldi* GROTE, Can. Ent., x, 17, 1878.

3755. *defluata* WALKER, Cat. Brit. Mus., xxiii, 984, 1861; PACKARD, C. 245; HULST, Ent. News, vi, 71, 1895. No. Atl. States.

syn. *subæquaria* WALKER, Cat. Brit. Mus., xxvi, 1660, 1862; PACKARD, C. 247.

- *3756. *mercedulata* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Cal.

- *3757. *extremaria* WALKER, Cat. Brit. Mus., xxiii, 984, 1861; PACKARD, C. 247; HULST, Ent. News, vi, 42, 1895. Atl. States.

syn. *ordinaria* WALKER, Cat. Brit. Mus., xxiv, 1068, 1861.

CATOPYRRHA Hübner.

HÜBNER, Verz. bek. Schmett., 300, 1818; GUENÉE, Spec. Gén., x, 182, 1857; WALKER, Cat. Brit. Mus., xxiv, 1064, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

- *3758. *ferruginosaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 388, 1871; C. 426. Col.

3759. *coloraria* FABRICIUS, Syst. Ent., suppl., 96, 1798; PACKARD, C. 206; HULST, Ent. Amer., iii, 10, 1887; Ent. News, vi, 15, 1895. Atl. States.

syn. *accessaria* HÜBNER, Zutr. exot. Schmett., f. 503, 1820?; *cruentaria* HÜBNER, Eur. Schmett., pl. 10, f. 48, 1830?; DUPONCHEL, Hist. Nat., viii, 128, 1829; *atropunctaria* WALKER, Cat. Brit. Mus., xxvi, 1673, 1862; PACKARD, C. 210.

- a. olenusaria* WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 216.
b. dissimilaria HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 208.
c. sphæromacaria HARVEY, Bull. Buff. Soc., ii, 284, 1875; PACKARD, C. 207.
d. perolivata HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

ENEMERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

3760. *juturnaria* GUENÉE, Spec. Gén., x, 147, 1857; PACKARD, C. 241; BUTLER, Pap., i, 222, 1881; DYAR, Ent. News, v, 63, 1894; HULST, Ent. News, vi, 104, 1895. Rocky Mts., Pac. States, Alaska.

a. californiaria PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 394, 1871; C. 241.

3761. *viridirufaria* NEUMOEGEN, Pap., i, 145, 1881. Ariz.

CARIPETA Walker.

WALKER, Cat. Brit. Mus., xxvi, 1524, 1862; PACKARD, C. 237; HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896; *Parennomos* PACKARD.

- *3762. *ida* HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896. Col.

- *3763. *græfiaria* HULST, Ent. Amer., ii, 192, 1887. Ariz.

3764. *divisata* WALKER, Cat. Brit. Mus., xxvi, 1525, 1862; PACKARD, C. 237; HULST, Ent. News, vi, 12, 105, 1895. Atl. States.

syn. *albopunctata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 202, 1874.

3765. *angustiorata* WALKER, Cat. Brit. Mus., xxvi, 1524, 1862; PACKARD, C. 238; Am. Nat., xviii, 1095, 1884; HULST, Ent. Amer., iii, 9, 1887. Atl. States.

syn. *piniaria* PACKARD, New or Little Known Ins., 15, 1870.

- a. latiorata* WALKER, Cat. Brit. Mus., xxvi, 1525, 1862; PACKARD, C. 239.

- *3766. *aretaria* WALKER, Cat. Brit. Mus., xx, 258, 1860; HULST, Ent. News, vi, 12, 1895. Va. to Ga.
 syn. *subochrearia* GROTE, Can. Ent., xv, 9, 1883; HULST, Ent. Amer., iii, 9, 1887; Ent. News, vi, 12, 1895.
3767. *æqualiaria* GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 56, 1883; HULST, Ent. Amer., iii, 9, 1887. Col., N. Mex.
- *3768. *seductaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Pa.

PHENGOMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896.

3769. *edwardsata* HULST, Ent. Amer., i, 203, 1886. Col., Ariz., Cal.
3770. *gertruda* HULST, Trans. Am. Ent. Soc., xxiii, 342, 1896. Col.
- *3771. *dissimilis* HULST, Can. Ent., xxx, 215, 1898. Col.

PLATEA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 29, 1855; HULST, Trans. Am. Ent. Soc., xxiii, 342, 1896; GROTE, Proc. Ent. Soc. Phil., ii, 344, 1865; *Gorylodes* GUENÉE, Spec. Gén., x, 179, 1857; PACKARD, C. 201.

3772. *californiaria* HERRICH - SCHAEFFER, Ausser. Schmett., f. 537, 1855; WALKER, Cat. Brit. Mus., xxvi, 1673, 1862. Cal.
 syn. *uncanaria* GUENÉE, Spec. Gén., x, 180, 1857; PACKARD, C. 201.
a. personaria HY. EDWARDS, Pap., i, 120, 1881.
3773. *trilinearia* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 24, 1874; C. 202; HULST, Ent. Amer., iii, 11, 1887. Tex., Col., Ariz., Nev.
a. dulcearia GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880.
3774. *diva* HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896. So. Cal.
- *3775. *demorsaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Wash.

ENYPIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896.

3776. *venata* GROTE, Can. Ent., xv, 133, 1883. Pac.
- *3777. *perangulata* HULST, Trans. Am. Ent. Soc., xxiii, 242, 1896. Ca. Ariz.

PHILEDIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896.

3778. *punctomacularia* HULST, Ent. Amer., iii, 214, 1888; HOPKINS, Bull. 21, n. s., U. S. Dept. Agr., 18, 1899 (without name).

Pac.
States.

NEPYTIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 344, 1896.

3779. *nigrovenaria* PACKARD, C. 454.

Pac. States.

3780. *semiclusaria* WALKER, Cat. Brit. Mus., xxvi, 1506, 1862; HULST, Ent. News, vi, 42, 1895.

No.
U. S.

syn. *pulchraria* MINOT, Proc. Bost. Soc. Nat. Hist., xiii, 170, 1896; PACKARD, C. 452; *pellucidaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 78, 1873; MORRISON, Psyche, i, 68, 1875; *pinaria* PACKARD, New or Little Known Ins., 14, 1870; DIMMOCK, Psyche, iv, 272, 1885.

a. canosaria WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 210.

- *3781. *fumosaria* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899.

Fla.,
Ill.

- *3782. *phantasmaria* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899.

Wash.

3783. *umbrosata* PACKARD, Proc. Bost. Soc. Nat. Hist. xvi, 23, 1874; C. 453.

Pac.
States.

ALCIS Curtis.

CURTIS, Brit. Ent., iii, 303, 1825; HULST, Trans. Am. Ent. Soc., xxiii, 344, 1896; *Hesperumia* PACKARD, Fifth Rept. Peab. Acad. Sci., 79, 1873; Proc. Bost. Soc. Nat. Hist., xvi, 37, 1873.

3784. *sulphuraria* PACKARD, Fifth Rept. Peab. Acad. Sci., 79, 1873; C. 477.

U. S.

syn. *ochreata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 37, 1873.

a. baltearia HULST, Bull. Brook. Ent. Soc., iii, 43, 1880.

b. unicoloraria HULST, Ent. Amer., i, 208, 1886.

3785. *multilineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 65, 1873; C. 287; HULST, Ent. Amer., ii, 223, 1887.

N.-E. U. S.,
Rocky Mts.

syn. *patriciata* GROTE, Can. Ent., xv, 129, 1883.

3786. *dislocaria* PACKARD, C. 282; GROTE, Can. Ent., xv, 8, 1883.

Iowa, Tex.,
Col.

3787. *metanemaria* HULST, Ent. Amer., ii, 188, 1887.

Ariz., Cal.

3788. *depromaria* GROTE, Can. Ent., xv, 87, 1883.

Rocky Mts.,
Cal.

3789. *lallata* HULST, Can. Ent., xxx, 193, 1898.

Ariz.

3790. *atrolinaria* HULST, Ent. Amer., iii, 214, 1888. Atl. States,
Col.
3791. *spododea* HULST, Trans. Am. Ent. Soc., xxiii, 345,
1896. Col.
3792. *dissonaria* HULST, Trans. Am. Ent. Soc., xxiii,
345, 1896. Col.
- *3793. *guttata* HULST, Jn. N. Y. Ent. Soc., viii, 219,
1901. N. Y.,
Pa.
- *3794. *dejecta* HULST, Trans. Am. Ent. Soc., xxiii, 345,
1896. Col., Cal.,
Ariz.
3795. *quinquelinearia* PACKARD, Sixth Rept. Peab. Acad.
Sci., 51, 1874; C. 432. Tex.
3796. *obliquaria* GROTE, Can. Ent., xv, 124, 1883. Col., Cal.,
Ariz.
3797. *imitata* WALKER, Cat. Brit. Mus., xxi, 395, 1860;
HULST, Ent. News, vi, 42, 1895. Cal.,
Nev.
syn. *californiaria* PACKARD, Proc. Bost. Soc.
Nat. Hist., xiii, 388, 1869; C. 411.
3798. *mæstosa* HULST, Can. Ent., xxx, 193, 1898. Iowa.
3799. *latifasciaria* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 33, 1873; C. 447; Bull. U. S. Ent. Comm.,
vii, 49, 1881. Cal.,
Wash.
3800. *haydenata* PACKARD, C. 445, 1876. Rocky Mts.
- *3801. *luridula* HULST, Trans. Am. Ent. Soc., xxiii, 346,
1896. Ga.,
Fla.
3802. *latipennis* HULST, Trans. Am. Ent. Soc., xxiii,
346, 1896. Wash.

PARAPHIA Guenée.

GUENÉE, Spec. Gén., ix, 271, 1857; PACKARD, C. 415; HULST, Trans. Am. Ent. Soc.,
xxiii, 346, 1896; *Amilapis* GUENÉE, Spec. Gén., x, 62, 1857.

3803. *subatomaria* WOOD, Ind. Ent., 241, f. 1673, 1839;
PACKARD, C. 417; HULST, Ent. News, vi, 73, 1895. Atl.
States.
syn. *nubecularia* GUENÉE, *mammuraria*
GUENÉE, *impropriata* WALKER, Cat. Brit.
Mus., xxiii, 888, 1861; *exsuperata* WALKER,
Cat. Brit. Mus., xxvi, 1655, 1862.
- a. *unipuncta* HAWORTH, Lep. Brit., 345, 1820?;
PACKARD, C. 416.
syn. *unipunctata* GUENÉE, *triplipunctaria*
FITCH, Trans. N. Y. Agr. Soc., xviii, 825,
1860.
- b. *deplanaria* GUENÉE, Spec. Gén., ix, 272, 1857;
PACKARD, C. 418; HULST, Ent. News, vi, 73,
1895.
syn. *fidoniata* WALKER, Cat. Brit. Mus., xxiii,
924, 1861.

SPODOLEPIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896.

3804. **substriaria** HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896. N. Y.,
N. J.

STENOTRACHELYS Guenée.

GUENÉE, Spec. Gén., ix, 290, 1857; PACKARD, C. 448; HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896.

3805. **approximaria** HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 449. So. Atl.
States.
3806. **permagnaria** PACKARD, C. 450, 1876. Mo.

LYTROSIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896.

3807. **unitaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 204, 1855; PACKARD, C. 447; Bull. U. S. Ent. Comm., vii, 49, 1881. Atl.
States.

MERIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896.

- *3808. **alticola** HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896. Col.

PTEROTÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896.

- *3809. **cariosa** HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896. Cal.

IXALA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896.

3810. **desperaria** HULST, Ent. Amer., ii, 210, 1887. N. Mex.,
a. unicoloraria HULST, Ent. Amer., iii, 217, 1888. Ariz.

PTEROSPODA Dyar.

Spodoptera HULST (not GUENÉE), Trans. Am. Ent. Soc., xxiii, 350, 1896.

- *3811. **opuscularia** HULST, Ent. Amer., ii, 210, 1887. Cal.
3812. **kunzei** HULST, Can. Ent., xxx, 192, 1898. Ariz.

SOMATOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 350, 1896.

- *3813. **umbripennis** HULST, Trans. Am. Ent. Soc., xxiii, 350, 1896. Col.

TORNOS Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 217, 1875; PACKARD, C. 214; HULST, Trans. Am. Ent. Soc., xxiii, 351, 1896.

3814. **scolopacinarius** GUENÉE, Spec. Gén., x, 360, 1857; So. Atl.
PACKARD, C. 565; HULST, Ent. News, vi, 103, States.
1896.

syn. *rubiginosus* MORRISON, Proc. Bost. Soc.
Nat. Hist., xvii, 218, 1875; PACKARD, C. 214.
a. cinctarius HULST, Ent. Amer., ii, 192, 1887.

3815. **abjectarius** HULST, Ent. Amer., ii, 192, 1887. So. Atl.
States.

EXELIS Guenée.

GUENÉE, Spec. Gén., ix, 323, 1857; *Patridiva* WALKER, Cat. Brit. Mus., xxvi, 1688, 1862.

3816. **pyrolaria** GUENÉE, Spec. Gén., ix, 324, 1857; So. Atl.
PACKARD, C. 565; HULST, Ent. News, vi, 103, States.
1895; Ent. Amer., iv, 50, 1888.

syn. *teusaria* WALKER, Cat. Brit. Mus., xxvi,
1689, 1862; *approximaria* PACKARD, C. 215;
HULST, Ent. Amer., iii, 11, 1887; *infumata*
taria GROTE, Can. Ent., ix, 90, 1877.

SYNGLOCHIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 351, 1896.

- *3817. **perumbraria** HULST, Trans. Am. Ent. Soc., xxiii, Cal.
352, 1896.

GLAUCINA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896.

3818. **pygmeolaria** GROTE, Can. Ent., xv, 24, 1883; Ariz.
HULST, Ent. Amer., iii, 11, 1887.

3819. **escaria** GROTE, Can. Ent., xv, 24, 1883; HULST, Col.,
Ent. Amer., iii, 11, 1887. Ariz.

- *3820. **incopriata** HULST, Ent. Amer., ii, 210, 1887. Cal., Ariz.

HOLOCHROA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896.

3821. **dissociaria** HULST, Ent. Amer., ii, 192, 1887. Tex., Cal.

CÆNOCHARIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 353, 1896.

- *3822. **eupitheciaria** GROTE, Can. Ent., xv, 24, 1883. Ariz.

3823. *elongata* HULST, Trans. Am. Ent. Soc., xxiii, 353, 1896. Tex., Ariz.
3824. *interruptaria* GROTE, Can. Ent., xiv, 185, 1883; HULST, Ent. Amer., iii, 11, 1887; iv, 49, 1888. Col., Ariz., Cal.
- *3825. *ochrofuscaria* GROTE, Can. Ent., xiv, 186, 1883; HULST, Ent. Amer., iii, 11, 1887. Ariz.

ÆTHALODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896.

- *3826. *packardaria* HULST, Ent. Amer., iii, 217, 1888. Cal.

CHESIADODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896.

- *3827. *morosata* HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896. Cal.

SELIDOSEMA Hübner.

HÜBNER, Verz. bek. Schmett., 299, 1818; LEDERER, Verh. zool.-bot. Ges. Wien, 232, 1853; PACKARD, C. 240; MEYRICK, Trans. Ent. Soc. Lond., 105, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896; *Adactylotis* HÜBNER, Verz. bek. Schmett., 303, 1818.

- *3828. *muricolor* HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. Pa.
3829. *wrightiarium* HULST, Ent. Amer., iii, 215, 1888. Cal.
- *3830. *fuliginarium* HULST, Ent. Amer., iii, 215, 1888. Ill., Tex.
- *3831. *delicatum* HULST, Can. Ent., xxxii, 106, 1900. Cal.
3832. *lachrymosum* HULST, Can. Ent., xxx, 194, 1898. Cal.
syn. *homopteroides* HULST, Jn. N. Y. Ent. Soc., viii, 219, 1901.
- *3833. *pulmonarium* GROTE, Pap., i, 167, 1881. Col., Ariz., N. Mex.
- *3834. *clivinarium* GUENÉE, Spec. Gén., ix, 245, 1857; PACKARD, C. 455; HULST, Ent. News, vi, 105, 1895. Cal.
- *3835. *separatarium* GROTE, Can. Ent., xv, 124, 1883. Ariz.
3836. *nigrescens* HULST, Can. Ent., xxx, 214, 1898. Tex.
- *3837. *laminarium* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Cal.

3838. **humarium** GUENÉE, Spec. Gén., ix, 246, 1857; PACKARD, C. 435; HULST, Ent. News, vi, 41, 72, 1895. Atl. States, N. Mex., Cal.
 syn. *intrarium* GUENÉE, Spec. Gén., ix, 246, 1857; *defectarium* GUENÉE, Spec. Gén., ix, 247, 1857; *moniarium* WALKER, Cat. Brit. Mus., xxi, 345, 1860; *transfixarium* WALKER, Cat. Brit. Mus., xxi, 347, 1860; *albiginarium* WALKER, Cat. Brit. Mus., xxi, 348, 1860; *ephyrarium* WALKER, Cat. Brit. Mus., xxi, 349, 1860; *intractarium* WALKER, Cat. Brit. Mus., xxi, 349, 1860; *erosiatum* WALKER, Cat. Brit. Mus., xxvi, 1719, 1862; *illaudatum* WALKER, Cat. Brit. Mus., xxi, 397, 1860; *ejectarium* WALKER, Cat. Brit. Mus., xxii, 489, 1861; *expressarium* WALKER, Cat. Brit. Mus., xxvi, 1657, 1862.
3839. **umbrosarium** HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 439. Atl. States.
 syn. ? *porcellarium* GUENÉE, Spec. Gén., ix, 252, 1857; WALKER, Cat. Brit. Mus., xxi, 350, 1860; PACKARD, C. 455; HULST, Ent. News, vi, 42, 105, 1895.
a. gnophosarium GUENÉE, Spec. Gén., ix, 251, 1857; WALKER, Cat. Brit. Mus., xx, 350, 1860.
- *3840. **excelsarium** STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Wash.
- *3841. **albescens** HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. Wash.

MERICISCA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896.

3842. **gracea** HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896. Col.

CLEORA Curtis.

CURTIS, Brit. Ent., ii, 88, 1825; PACKARD, C. 450; MEYRICK, Trans. Ent. Soc. Lond., 105, 1892; WARREN, Nov. Zool., i, 434, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896; *Boarmia* TREITSCHKE, Schmett. Eur., vi, 1, 87, 1827; DUPONCHEL, Hist. Nat., vii, 4, 327, 1829; HERRICH-SCHAEFFER, Schm. Eur., iii, 76, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 177, 1853; MEYRICK, Trans. New Zeal. Ins., 99, 1883; 65, 1884; Trans. Ent. Soc. Lond., 211, 1886.

3843. **furfuraria** HULST, Ent. Amer., iii, 214, 1888. Col.
3844. **dataria** GROTE, Can. Ent., xiv, 173, 1882. Rocky Mts.
- *3845. **opacaria** HULST, Bull. Brook. Ent. Soc., iv, 27, 1881. Col., N. Mex.
- *3846. **lixaria** GROTE, Trans. Kans. Acad. Sci., viii, 52, 1882. Rocky Mts.

3847. *cribrataria* GUENÉE, Spec. Gén., ix, 260, 1857; PACKARD, C. 424. Atl. States.
3848. *indicataria* WALKER, Cat. Brit. Mus., xxi, 346, 1860; HULST, Ent. News, vi, 41, 1895. Atl. States.
syn. *filaria* WALKER, Cat. Brit. Mus., xxi, 347, 1860; PACKARD, C. 456; *polygrammaria* PACKARD, C. 439.
- *3849. *rufaria* GROTE, Can. Ent., xv, 125, 1883. Ariz.
3850. *pampinaria* GUENÉE, Spec. Gén., ix, 245, 1857; PACKARD, C. 432; FRENCH, Pap., i, 82, 1881; HULST, Ent. News, vi, 41, 1895. Atl. States.
syn. *sublunaria* GUENÉE, Spec. Gén., ix, 248, 1857; PACKARD, C. 442; *frugallaria* GUENÉE, Spec. Gén., ix, 246, 1857; WALKER, Cat. Brit. Mus., xxi, 342, 1860; *collecta* WALKER, Cat. Brit. Mus., xxi, 397, 1860; *tinctaria* WALKER, Cat. Brit. Mus., xxi, 486, 1860; *fraudentaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 492, 1872; PACKARD, C. 432.
- *3851. *configurata* HULST, Can. Ent., xxx, 195, 1898. Col.
3852. *formosata* HULST, Trans. Am. Ent. Soc., xxiii, 357, 1896. Col., Cal.
3853. *correllatum* HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. Col., Cal., Oreg.
3854. *vellivolata* HULST, Bull. Brook. Ent. Soc., iv, 34, 1881; Ent. Amer., ii, 223, 1887. Fla., Tex.
3855. *larvaria* GUENÉE, Spec. Gén., ix, 247, 1857; PACKARD, C. 437; HULST, Ent. News, vi, 34, 1895. Miss., Oreg., Wash., Man.
syn. ? *convergaria* WALKER, Cat. Brit. Mus., xxi, 488, 1860 (type lost); *plumosaria* PACKARD, Sixth Rept. Peab. Acad. Sci., 51, 1874; C. 431.
3856. *subaustralis* HULST, Can. Ent., xxx, 194, 1898. Fla.
3857. *pedicellata* HULST, Can. Ent., xxx, 194, 1898. Fla.

MELANOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 357, 1896.

3858. *canadaria* GUENÉE, Spec. Gén., ix, 263, 1857; PACKARD, C. 425; HULST, Ent. News, vi, 42, 1895. U. S.
syn. *signataria* WALKER, Cat. Brit. Mus., xxi, 350, 1860; *imperfectaria* WALKER, Cat. Brit. Mus., xxi, 407, 1860; *contribuaria* WALKER, Cat. Brit. Mus., xxi, 407, 1860.

ÆTHALOPTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896.

3859. *intextata* WALKER, Cat. Brit. Mus., xxi, 398, 1860; HULST, Ent. News, vi, 42, 1895. Atl.
States.
 syn. *anticaria* WALKER, Cat. Brit. Mus., xxi, 406, 1860; PACKARD, C. 423; HULST, Ent. News, vi, 42, 1895; *submurraria* WALKER, Cat. Brit. Mus., xxi, 406, 1860.

GLENA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896.

- *3860. *cognataria* HÜBNER, Zutr. exot. Schmett., f. 549, 1825; PACKARD, C. 421; HULST, Ent. News, vi, 42, 1895. Atl.
States.
 syn. *acidaliaria* WALKER, Cat. Brit. Mus., xxvi, 1684, 1862; *infixaria* WALKER, Cat. Brit. Mus., xxvi, 1685, 1862.

3861. *texanaria* HULST, Ent. Amer., iii, 46, 1888. Fla., Tex.
 syn. ? *minimaria* GUENÉE, Spec. Gén., ix, 279, 1857.

ECTROPIS Hübner.

HÜBNER, Verz. bek. Schmett., 316, 1818; MEYRICK, Trans. Ent. Soc. Lond., 104, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896; *Tephrosia* GUENÉE, Ind. Gén., 198, 1840; PACKARD, C. 420.

3862. *crepuscularia* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 101, 1776; PACKARD, C. 428; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3903, 1901; GOODELL, Can. Ent., x, 67, 1878; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 300, 1884; DIMMOCK, Psyche, iv, 271, 1885; HULST, Ent. News, vi, 41, 72, 1895. U. S.,
Eur.
 syn. *consonaria* HAWORTH, *defessaria* FREY, *occiduaria* GUENÉE, *signaria* WALKER, *spatiosaria* WALKER, *intrataria* WALKER, *cineraria* WALKER, Cat. Brit. Mus., xxi, 488, 1860; *fumataria* MINOT.
a. abraxaria WALKER, Cat. Brit. Mus., xxi, 403, 1860; HULST, Ent. News, vi, 72, 1895.
 syn. *divisaria* WALKER, Cat. Brit. Mus., xxi, 489, 1860; PACKARD, C. 458; BOWLES, Can. Ent., xv, 166, 1883; *fernaldaria* HULST, Ent. Amer., iii, 215, 1888.

- *3863. *grisearia* GROTE, Can. Ent., xv, 124, 1883. Ariz.

EPIMECIS Hübner.

HÜBNER, Verz. bek. Schmett., 315, 1818; GROTE, Can. Ent., viii, 206, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896; *Bronchelia* GUENÉE, Spec. Gén., ix, 286, 1857; WALKER, Cat. Brit. Mus., xxi, 450, 1860.

3864. **virginaria** CRAMER, Pap. Exot., iii, pl. 275, f. G, 1782; HULST, Ent. News, vi, 106, 1895. Atl.
States.

syn. *hortaria* FABRICIUS, Syst. Ent., iii, (2), 138, 31, 1793; PACKARD, C. 443; HULST, Ent. News, vi, 104, 1895; *liriodendraria* SMITH & ABBOT, Lep. Ins. Ga., pl. 102, 1797; *disserptaria* WALKER, Cat. Brit. Mus., xxi, 451, 1860; *amplaria* WALKER, Cat. Brit. Mus., xxi, 405, 1860.

a. **dendraria** GUENÉE, Spec. Gén., ix, 289, 1857; WALKER, Cat. Brit. Mus., xxi, 451, 1860.

syn. *gravilineararia* ANDREWS, Can. Ent., x, 108, 1878.

LYCIA Hübner.

HÜBNER, Verz. bek. Schmett., 319, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896; *Amphidasys* TREITSCHKE, Schm. Eur., vi, 1, 229, 1827; DUPONCHEL, Hist. Nat., vii, 4, 268, 1829; HERRICH-SCHAEFFER, Eur. Schmett., iii, 99, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 218, 1853; KIRBY, Eur. Butt., 332, 1882; *Amphidasys* GUENÉE, Spec. Gén., ix, 206, 1857; WALKER, Cat. Brit. Mus., xxi, 305, 1860; HOFMANN, Gr. Schm. Eur., 179, 1894.

3865. **ursaria** WALKER, Can. Nat., v, 261, 1860; PACKARD, C. 414; Bull. U. S. Ent. Comm., vii, 121, 1881; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 300, 1884; BOWLES, Can. Ent., viii, 7, 1876. Atl.
States.

3866. **virginaria** GROTE, Can. Ent., xii, 220, 1880; HULST, Ent. News, vi, 41, 1895. Col.

3867. **cognataria** GUENÉE, Spec. Gén., ix, 208, 1857; PACKARD, C. 413; BOWLES, Can. Ent., iii, 11, 1871; EDWARDS & ELLIOT, Pap., iii, 136, 1883; GOODELL, Can. Ent., x, 67, 1878; PUTNAM-CRAMER, Bull. Brook. Ent. Soc., vi, 48, 1885; LINTNER, Ann. Rept. N. Y. Sta. Ent., 98, 1885; SAUNDERS, Ins. Inj. Fru., 349, 1883; DIMMOCK, Psyche, iv, 271, 1885; HULST, Ent. News, vi, 41, 1895. Atl.
States.

syn. *sperataria* WALKER, Cat. Brit. Mus., xxi, 307, 1860.

PHÆOURA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896.

3868. **mexicanaria** GROTE, Trans. Kans. Acad. Sci., viii, 51, 1882; HULST, Ent. News, vi, 41, 1895. Col.

- *3869. **cristifera** HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896. Col.

NACOPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896.

- *3870. *minima* HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896. Col.
- *3871. *ypsilon* FORBES, Rept. Ent. Ill., xiv, 95, 1885; LUGGER, Rept. Ent. Minn., 189, 1898. Atl. States
syn. *carolotta* HULST, Trans. Am. Ent. Soc., xxiii, 361, 1896.
- *3872. *phigaliaria* GUENÉE, Spec. Gén., ix, 225, 1857; PACKARD, C. 328; HULST, Ent. News, vi, 41, 1895. Atl. States.
syn. *pænulataria* GROTE, Proc. Ent. Soc. Phil., ii, 31, 1864; Can. Ent., viii, 153, 1876.
3873. *quernaria* SMITH & ABBOT, Lep. Ins. Ga., ii, 205, pl. 103, 1797; PACKARD, C. 411; EMMONS, Nat. Hist. N. Y. Agr., v, 245, 1854; HULST, Ent. Amer., iv, 50, 1888; Ent. News, vi, 41, 1895. Atl. States.
a. atrescens HULST, Can. Ent., xxx, 162, 1898.
- *3874. *cupidaria* GROTE, Proc. Ent. Soc. Phil., iii, 534, 1864; PACKARD, C. 412; HULST, Ent. Amer., iv, 50, 1888; Ent. News, vi, 41, 1895. Fla.

CERATONYX Guenée.

GUENÉE, Spec. Gén., ix, 193, 1857; WALKER, Cat. Brit. Mus., xxi, 296, 1860.

- *3875. *satanaria* GUENÉE, Spec. Gén., ix, 194, 1857; PACKARD, C. 565. Ga.

APOCHEIMA Hübner.

HÜBNER, Verz. bek. Schmett., 319, 1818; GUENÉE, Spec. Gén., ix, 203, 1857; MEYRICK, Trans. Ent. Soc. Lond., 121, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 361, 1896; *Apochima* HERRICH-SCHAEFFER, Eur. Schmett., iii, 98, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 218, 1853; *Ithusia* HÜBNER, Verz. bek. Schmett., 319, 1818; *Nyssia* DUPONCHEL, Hist. Nat., vii, 283, 1829; GUENÉE, Spec. Gén., ix., 198, 1857.

3876. *rachelæ* HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896. Col., Alaska.

CONIODES Hulst.

HULST, Trans. Am. Ent. Amer., xxiii, 353, 1896.

3877. *plumigeraria* HULST, Ent. Amer., iii, 216, 1888; COQUILLET, Bull. U. S. Dept. Agr., n. s., vii, 64, 1897; HULST, Can. Ent., xxx, 214, 1898. Col., Cal., Brit. Col.

JUBARELLA Hulst.

HULST, Can. Ent., xxx, 192, 1898.

- *3878. *danbyi* HULST, Can. Ent., xxx, 192, 1898. Brit. Col.

PHIGALIA Duponchel.

DUPONCHEL, Hist. Nat., vii, 296, 1829; LEDERER, Verh. zool.-bot. Ges. Wien, 177, 1853; GUENÉE, Spec. Gén., ix, 195, 1857; PACKARD, C. 406; *Raphidodemas* HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896.

- *3879. *nevadaria* HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896. Nev., Col.

3880. *olivacearia* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 200, 1874; HULST, Ent. Amer., iv, 51, 1888. Atl. States.

3881. *titea* CRAMER, Pap. Exot., iii, 275, f. C, 1782; PACKARD, C. 442; HULST, Ent. News, vi, 41, 1896. Atl. States.

syn. *titearia* GUENÉE, Spec. Gén., ix, 248, 1857; WALKER, Cat. Brit. Mus., xxi, 345, 1860; *revocata* WALKER, Cat. Brit. Mus., xxvi, 1527, 1862; *strigataria* MINOT, Proc. Bost. Soc. Nat. Hist., xiii, 84, 1869; PACKARD, C. 407; BRUCE, Pap., ii, 81, 1882; FRENCH, Trans. Dept. Agr. Ill., xv, 241, 1877; ? *cinctaria* FRENCH, Can. Ent., x, 157, 1878; HULST, Ent. Amer., iv, 51, 1888.

- *3882. *denticulata* HULST, Jn. N. Y. Ent. Soc., viii, 219, 1901.

ERANNIS Hübner.

HÜBNER, Verz. bek. Schmett., 320, 1818; MEYRICK, Trans. Ent. Soc. Lond., 81, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896; *Agriopsis* HÜBNER, Verz. bek. Schmett., 320, 1818; *Hybernia* LATREILLE, Fam. Nat., 477, 1825; PACKARD, C. 408; MEYRICK, Trans. Ent. Soc. Lond., 120, 1892; *Hibernia* DUPONCHEL, Hist. Nat., vii, 4, 301, 1829; HERRICH-SCHAEFFER, Eur. Schmett., iii, 58, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 213, 1853; HOFMANN, Gr. Schm. Eur., 176, 1894.

3883. *defoliaria* CLERCK, Icones, 7, 4, 1764; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3802, 1901. Eur., B. C.
«. vanconverensis HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896.

3884. *tiliaria* HARRIS, Inj. Ins. Mass., 341, 1841; PACKARD, C. 409; SAUNDERS, Can. Ent., xiv, 282, 1882; Ins. Inj. Fruits, 111, 1883; FITCH, Third Rept. Ins. N. Y., 343, 1856; JAEGER, N. Am. Ins., 175, 1871; COQUILLETT, Rept. Ent. Ill., x, 149, 1880; xi, 25, 1881. Atl. States, Rocky Mts.

- *3885. **coloradata** HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896. Col.

CINGILIA Walker.

WALKER, Trans. Ent. Soc. Lond., (3), i, 76, 1862; DYAR, Can. Ent., xxvi, 69, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 364, 1896; *Cuterra* GROTE, Can. Ent., viii, 205, 1876; *Vestigifera* v. GUMPPENBERG, Nov. Act. Halle, lii, 369, 1888.

3886. **catenaria** DRURY, Ill. Exot. Ent., i, 17, 1770; CRAMER, Pap. Exot., iii, 61, pl. 228, f. E, 1782; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; PACKARD, C. 217; COMSTOCK, Rept. Dept. Agr., 274, 1880; COQUILLETT, Pap., i, 56, 1881; HARRIS, Ins. Inj. Mass., 459, 1852; DYAR, Psyche, ix, 250, 1901. Atl. States, Col.

syn. *humeralis* WALKER, Trans. Ent. Soc. Lond., (3), i, 76, 1862; ? *devinctaria* GUENÉE, Spec. Gén., x, 222, 1857; WALKER, Cat. Brit. Mus., xxiv, 1137, 1862.

EUCATERVA Grote.

GROTE, Pap., ii, 80, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 364, 1876.

3887. **vararia** GROTE, Pap., ii, 80, 1882; Can. Ent., xiv, 109, 1882; HAY, Bull. Geol. Surv., vi, 564, 1882; DYAR, Ent. News, v, 63, 1894. Ariz.
a. **sabesaria** GROTE, Pap., ii, 143, 1882.

PHILTRÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 364, 1896.

3888. **elegantaria** HY. EDWARDS, Pap., i, 121, 1881. Tenn., La., Tex., Ariz., Cal.

ACANTHOPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896.

- *3889. **graefi** HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896. Tex.

TRACHEOPS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896.

- *3890. **bolteri** HULST, Trans. Am. Ent. Soc., xxiii, 366, 1896. N. M

DYSCIA Hübner.

HÜBNER, Verz. bek. Schmett., 314, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 366, 1896; *Pædnothrix* HÜBNER, Verz. bek. Schmett., 319, 1818; *Scodiona* BOISDUVAL, Ind. Méth., 185, 1840; LEDERER, Verh. zool.-bot. Ges. Wien, 235, 1853; GUENÉE, Spec. Gén., x, 139, 1857; WALKER, Cat. Brit. Mus., xxiv, 1021, 1862; *Napuca* WALKER, Cat. Brit. Mus., xxvi, 1693, 1862; *Pseudosiona* BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

3891. *orciferata* WALKER, Cat. Brit. Mus., xxvi, 1693, 1862; PACKARD, C., pl. 13, f. 57; HULST, Ent. Amer., ii, 223, 1887; Ent. News, vi, 14, 1895. No. U. S.

a. labradoriata MÖSCHLER, Stett. ent. Zeit., 118, 1883; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3786, 1901.

syn. *aberrata* HY. EDWARDS, Pap., iv, 47, 1887; *taylori* BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

LYCHNOSEA Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 52, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 367, 1896.

3892. *helviolaria* HULST, Bull. Brook. Ent. Soc., iv, 33, 1881; Ent. Amer., ii, 50, 1882. Col., N. Mex., Ariz.

syn. *aulularia* GROTE, Trans. Kans. Acad. Sci., viii, 52, 1882.

3893. *intermicata* WALKER, Cat. Brit. Mus., xxiv, 1076, 1862; HULST, Ent. News, vi, 42, 105, 1895. So. Atl. States.

syn. *pervaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 62, 1873; C. 206.

a. interminaria GROTE, Can. Ent., ix, 90, 1877.

*3894. *runcinaria* STRECKER, Lep. Rhop. Het., suppl. 2, 7, 1899. Col.

STERGAMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896.

*3895. *inornata* HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896. Col.

MELEMÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896.

*3896. *magdalena* HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896. Col.

*3897. *morsicaria* HULST, Ent. Amer., i, 203, 1896. Tex.

ANAGOGA Hübner.

HÜBNER, Verz. bek. Schmett., 294, 1818; PACKARD, C. 486; HULST, Trans. Am. Ent. Soc., xxiii, 369, 1896; *Azinophora* STEPHENS, Cat. 126, 1829; *Numeria* DUPONCHEL, Hist. Nat., vii, 4, 107, 1829; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 24, 1849; HOFMANN, Gr. Schm. Eur., 170, 1892.

3898. *pulveraria* LINNÆUS, Syst. Nat., 521, 1758; Eur.,
 GUENÉE, Spec. Gén., x, 137, 1857; STAUDINGER No.
 & REBEL, Cat. Lep. Eur., i, no. 3715, 1901. U. S.
- a. occiduaria* WALKER, Cat. Brit. Mus., xxiii, 1016,
 1861; PACKARD, C. 487; HULST, Ent. Amer.,
 ii, 51, 1886; Ent. News, vi, 12, 1895.
- syn. *plagifasciata* WALKER, Cat. Brit. Mus.,
 xxvi, 1508, 1862; PACKARD, C. 487.

NEOTERPES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 369, 1896.

3899. *ephelidaria* HULST, Ent. Amer., ii, 120, 1886. Rocky Mts.
a. kunzei HULST, Can. Ent., xxx, 215, 1898.
- *3900. *snoviaria* HULST, Ent. Amer., iii, 213, 1887. Rocky Mts.
3901. *edwardsata* PACKARD, Proc. Bost. Soc. Nat. Hist., Cal., Ariz.,
 xiii, 383, 1871; C. 478; STRECKER, Surv. Dept. Alaska.
 Mo., Ruffner, app. SS, 1863, 1878.

SICYA Guenée.

GUENÉE, Spec. Gén., ix, 104, 1857; PACKARD, C. 479; HULST, Trans. Am. Ent. Soc.,
 xxiii, 370, 1896.

3902. *macularia* HARRIS, Lake Superior, Agassiz, 392, U. S.
 1850; PACKARD, C. 480; HULST, Ent. News, vi,
 14, 1895.
- syn. *solfataria* GUENÉE, Spec. Gén., ix, 104,
 1857; WALKER, Cat. Brit. Mus., xx, 134,
 1860; *sublimaria* GUENÉE, Spec. Gén., ix,
 105, 1857; *calipusaria* WALKER, Cat. Brit.
 Mus., xx, 120, 1860.
- a. truncataria* GUENÉE, Spec. Gén., ix, 104, 1857.
- syn. *argyllaria* WALKER, Cat. Brit. Mus., xx,
 121, 1860; *crocearia* PACKARD, Proc. Bost.
 Soc. Nat. Hist., xvi, 36, 1874.
- b. faustinaria* STRECKER, Lep. Rhop. Het., suppl.
 2, 7, 1899.

THERINA Hübner.

HÜBNER, Verz. bek. Schmett., 283, 1818; PACKARD, C. 492, HULST, Trans. Am. Ent. Soc., xxiii, 370, 1896, *Hylaea* HÜBNER (not^a), Tentamen, 1810; *Ellopiia* TREITSCHKE, Schmett. Eur., vi, 1, 89, 1827; PACKARD, C. 492.

3903. *vittraria* GROTE, Trans. Kans. Acad. Sci., viii, 51, 1882. Rocky Mts.
- *3904. *punctata* HULST, Can. Ent., xxx, 215, 1899. Col.
- *3905. *fatuaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Can.
- *3906. *læta* HULST, Can. Ent., xxxii, 107, 1900. N. Mex.
3907. *pellucidaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 25, 1867; PACKARD, C. 495; GROTE, Can. Ent., xiv, 108, 1882; HULST, Ent. Amer., ii, 51, 1886; Ent. News, vi, 14, 1895; DYAR, Psyche, ix, 21, 1900. Atl. States.
3908. *endropiaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 26, 1867; PACKARD, C. 495; GOODELL, Can. Ent., xi, 194, 1879; GROTE, Can. Ent., xiv, 109, 1882; HULST, Ent. Amer., ii, 51, 1886; DYAR, Psyche, viii, 407, 1899. Atl. States.
3909. *athasiaria* WALKER, Cat. Brit. Mus., xx, 163, 1860; HULST, Ent. News, vi, 14, 1895; DYAR, Psyche, ix, 10, 1900. Atl. States.
syn. *siccaria* WALKER, Cat. Brit. Mus., xxvi, 1547, 1866; *seminudata* WALKER, Cat. Brit. Mus., xxvi, 1508, 1862; *seminudaria* PACKARD, C. 495; *hibularia* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 24, 1867.
3910. *fiscellaria* GUENÉE, Spec. Gén., ix, 133, 1857; WALKER, Cat. Brit. Mus., xx, 161, 1860; HULST, Ent. Amer., ii, 50, 1886; Ent. News, vi, 14, 1895. Atl. States, Col.
syn. *flagitiaria* GUENÉE, Spec. Gén., ix, 133, 1857; *pinisaria* WALKER, Cat. Brit. Mus., xx, 163, 1860; *aqualitaria* WALKER, Cat. Brit. Mus., xx, 164, 1860.
3911. *fervidaria* HÜBNER, Zutr. exot. Schmett., f. 409, 1818; PACKARD, C. 493; HULST, Ent. Amer., ii, 50, 1886; Ent. News, vi, 14, 1895. Atl. States.
syn. *pultaria* GUENÉE, Spec. Gén., ix, 131, 1857; PACKARD, C. 496; *scintia* WALKER, Cat. Brit. Mus., xxvi, 1510, 1862; *incrata* WALKER, Cat. Brit. Mus., xxvi, 1512, 1862.
a. somniaria HULST, Ent. Amer., i, 308, 1886; FLETCHER, Rept. Exp. Farms Can., 176, 1891; RILEY, Ins. Life, iii, 360, 1891.

^a Preoccupied, according to Hulst's manuscript, but I can not find by what.

3912. **lugubrosa** HULST, Can. Ent., xxxii, 106, 1900. B. C.
 *3912. 1. **cavillaria** HULST, Ent. Amer., i, 203, 1886. Ariz.

METROCAMPA Latreille.

LATREILLE, Cons. Gen., 366, 1810; Fam. Nat., 477, 1825; PACKARD, C. 490; MEYRICK, Trans. Ent. Soc. Lond., 111, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 370, 1896; *Campæa* LAMARCK, Hist. Nat., iii, 568, 1817.

3913. **prægrandaria** GUENÉE, Spec. Gén., ix, 128, 1857; No.
 WALKER, Cat. Brit. Mus., xx, 157, 1860; HULST, U. S.
 Ent. News, vi, 104, 1895.

syn. *perlata* GUENÉE, Spec. Gén., ix, 128, 1857; STRECKER, Surv. Dept. Mo., Ruffner, app. SS, 1863, 1878; BUTLER, Pap., ii, 21, 1881; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 298, 1884; *perlaria* PACKARD, C. 491; *viridoperlata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 38, 1874.

SLOSSONIA Hulst.

HULST, Can. Ent., xxx, 216, 1898.

3914. **rubrotincta** HULST, Can. Ent., xxx, 217, 1898. Cal.
 3915. **latipennis** HULST, Can. Ent., xxx, 217, 1898. Fla.

EUGONOBAPTA Warren.

WARREN, Nov. Zool., i, 405, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896.

3916. **nivosaria** GUENÉE, Spec. Gén., ix, 499, 1857. Atl. States.
 syn. *nivosata* PACKARD, C. 338; HULST, Ent. News, v, 304, 1894.

- *3917. **constans** HULST, Can. Ent., xxx, 216, 1898. Ariz.
 *3918. **ochreata** HULST, Can. Ent., xxx, 216, 1898. Ariz.
 *3919. **brunneolineata** HULST, Jn. N. Y. Ent. Soc., viii, Fla.
 218, 1901.

RIPULA Guenée.

GUENÉE, Spec. Gén., ix, 34, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896.

3920. **vestalis** HULST, Can. Ent., xxx, 215, 1898. Fla.
 *3921 **virginaria** HULST, Ent. Amer., i, 202, 1886. Fla.

ENNOMOS Treitschke.

TREITSCHKE, Schm. Eur., vi, 1, 3, 1827; DUPONCHEL, Hist. Nat., vii, 4, 126, 1829; BOISDUVAL, Ind. Gén., 182, 1840; DUPONCHEL, Cat., 218, 1844; WESTWOOD & HUMPHREYS, Brit. Moths, 2, 81, 1849; GUENÉE, Spec. Gén., ix, 173, 1857; WALKER, Cat. Brit. Mus., xx, 204, 1860; HOFMANN, Gr. Schm. Eur., 171, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896; *Eugonia* HÜBNER (not ^a), Verz. bek. Schmett., 291, 1818; PACKARD, C. 527; KIRBY, Eur. Butt., 298, 1882; *Odoptera* SODOFFSKY, Bull. Imp. Soc. Mosc., 125, 1837; STEPHENS, Cat. Brit. Ins., 165, 1850.

3922. **subsignarius** HÜBNER, Samml. exot. Schmett., ii, 1806; GRAEF, Rept. Brook. Hort. Soc., —, 1862; PACKARD, C. 528; Am. Nat., ii, 333, 1868; Bull. U. S. Ent. Comm., vii, 62, 1881; GRCTE, Bull. Geol. Surv. Terr., Hayden, vi, 588, 1882; DODGE, Can. Ent., xiv, 30, 1882; FRENCH, Trans. Dept. Agr. Ill., xv, 243, 1877; SAUNDERS, Ins. Inj. Fruits, 111, 1883; WALSH, Pract. Ent., i, 57, 1866.

Atl.
States,
Col.

syn. *niveosericeata* JONES, Proc. Ent. Soc. Phil., i, 31, 1861.

3923. **magnarius** GUENÉE, Spec. Gén., ix, 174, 1857; WALKER, Cat. Brit. Mus., xx, 205, 1860; HULST, Ent. Amer., ii, 49, 1884; iv, 49, 1886; DIMMOCK, Psyche, iv, 272, 1885; SNELLEN, Neder. Ent. Ver., xxix, 137, 1874.

No.
U. S.

syn. *alniaria* PACKARD (not LINNÆUS), C. 529; Bull. U. S. Ent. Comm., vii, 92, 1881; *autumnaria* MÖSCHLER (not WERNEBURG), Verh. zool.-bot. Ges. Wien, 299, 1884; *lutaria* WALKER, Cat. Brit. Mus., xxxv, 1552, 1866; PACKARD, C. 531.

- *3924. **ochreatus** HULST, Can. Ent., xxx, 218, 1898.

Col.

XANTHOTYPE Warren.

WARREN, Nov. Zool., i, 463, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 372, 1896.

3925. **crocataria** FABRICIUS, Ent. Syst., suppl., 146, 1794; PACKARD, C. 474; Rept. Geol. Surv. Terr., v, 554, 1873; SAUNDERS, Rept. Ent. Soc. Ont., ii, 87, 1870; Ins. Inj. Fruits, 348, 1883; FRENCH, Trans. Dept. Agr. Ill., xv, 243, 1877; FORBES, Trans. Dept. Agr. Ill., xxi, 80, 1883; DYAR, Ent. News, v, 62, 1894; v. GUMPPENBERG, Nov. Act. Halle, xlix, 396, 1887; DYAR, Psyche, ix, 226, 1901.

Atl.
States.

syn. *citrina* HÜBNER, Zutr. exot. Schmett., f. 499, 1825.

a. *cælaria* HULST, Ent. Amer., i, 208, 1886.

PLAGODIS Hübner.

HÜBNER, Verz. bek. Schmett., 294, 1818; PACKARD, C. 465; HULST, Trans. Am. Ent. Soc., xxiii, 372, 1896; *Eurymene* DUPONCHEL, Hist. Nat., vii, 185, 1829; KIRBY, Eur. Butt., 302, 1882; HOFMANN, Gr. Schm. Eur., 173, 1894.

- *3926. **kempii** HULST, Jn. N. Y. Ent. Soc., viii, 220, 1901.

^a Preoccupied, according to Hulst's manuscript.

3927. **serinaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 365, 1855; PACKARD, C. 469; HULST, Ent. Amer., ii, 52, 1886; Ent. News, vi, 14, 1895.
 syn. *subprivata* WALKER, Cat. Brit. Mus., xxvi, 1509, 1862; *floscularia* GROTE, Pap., i, 40, 1881; Can. Ent., xiv, 109, 1889; Pap., ii, 83, 1882.
a. rosaria GROTE, Bull. Buff. Soc., iii, 131, 1876.
3928. **keutzingi** GROTE, Can. Ent., viii, 112, 1876; viii, 154, 1876.
 syn. *keutzingaria* PACKARD, C. 468.
a. nigrescens HULST, Ent. Amer., ii, 212, 1887; PACKARD, C. pl. 13, f. 54.
3929. **fervidaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 203, 1855; PACKARD, C. 467; Rept. U. S. Ent. Comm., 328, 1886; HULST, Ent. News, vi, 104, 1895.
 syn. *excurvaria* MORRISON, Bull. Buff. Soc., i, 189, 1873.
3930. **alcoolaria** GUENÉE, Spec. Gén., ix, 146, 1857; PACKARD, C. 469. No. Atl. States.
3931. **phlogosaria** GUENÉE, Spec. Gén., ix, 146, 1857; PACKARD, C. 466. No. Atl. States.
3932. **emargataria** GUENÉE, Spec. Gén., ix, 145, 1857; HULST, Ent. News, vi, 104, 1896. No. Atl. States.
 syn. *arrogaria* HULST, Ent. Amer., i, 208, 1886.
3933. **approximaria** DYAR, Can. Ent., xxxi, 266, 1899. No. Pac States.

HYPERITIS Guenée.

GUENÉE, Spec. Gén., ix, 117, 1857; PACKARD, C. 460; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Probole* HERRICH-SCHAEFFER (not WESMAEL), Ausser. Schmett., 83, 1855.

3934. **amicaria** HERRICH-SCHAEFFER, Ausser. Schm., f. 361, 1855; HULST, Ent. Amer., ii, 52, 1886; iii, 114, 1887; Ent. News, vi, 40, 1895; DYAR, Ent. News, v, 62, 1894. Atl. States.
- syn. *nyssaria* GUENÉE, Spec. Gén., ix, 118, 1857; PACKARD, C. 461; *ersimaria* GUENÉE, Spec. Gén., ix, 118, 1857; *persinuaria* GUENÉE, *insinuaria* GUENÉE, *subsinuaria* GUENÉE, *laticincta* WALKER, Cat. Brit. Mus., xxi, 295, 1860; *neoninaria* WALKER, Cat. Brit. Mus., xx, 186, 1860; *neonaria* PACKARD, C. 461; *æsimaria* WALKER, Cat. Brit. Mus., xx, 183, 1860.
- a. alienaria* HERRICH-SCHAEFFER, Ausser. Schm., f. 364, 1855; PACKARD, C. pl. 11, f. 38.
- b. nepiasaria* WALKER, Cat. Brit. Mus., xx, 146, 1860; PACKARD, C. pl. 13, f. 42.

- *3935. *mollicularia* ZELLER, Verh. zool.-bot. Ges. Wien, xxxviii, 481, 1872; PACKARD, C. 485. Tex.
3936. *trianguliferata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 384, 1871; C. 549; FRENCH, Can. Ent., xviii, 105, 1886. Pac. States, Col.
3937. *notataria* HULST, Ent. Amer., i, 203, 1886. Col., Cal., Alberta.
- *3938. *indiscretata* HY. EDWARDS, Pap., iv, 48, 1884. N. Mex.

ANIA Stephens.

STEPHENS, Ill., iii, 321, 1831, WESTWOOD & HUMPHREYS, Brit. Moths, ii, 80, 1849; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896, *Microgonia* HERRICH-SCHAEFFER, Ausser. Schmett., 28, 1855; *Nematocampa* GUENÉE, Spec. Gén., ix, 120, 1857; PACKARD, C. 471.

3939. *limbata* HAWORTH, Lep. Brit., 346, 1829; HULST, Ent. Amer., ii, 52, 1886. Atl. States.

syn. *vestitaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 368, 1855; *resistaria* HERRICH-SCHAEFFER, Ausser. Schmett., 41, 1855; GUENÉE, Spec. Gén., ix, 121, 1857; WALKER, Cat. Brit. Mus., xx, 147, 1860; *filimentaria* GUENÉE, Spec. Gén., ix, 120, 1857; PACKARD, C. 471; FRENCH, Trans. Dept. Agr. Ill., xv, 242, 1877; COQUILLETT, Trans. Dept. Agr. Ill., xviii, 148, 1880.

- a. *expunctaria* GROTE, Can. Ent., iv, 101, 1872; xiv, 110, 1882.

GONODONTIS Hübner.

HÜBNER, Verz. bek. Schmett., 287, 1818; MEYRICK, Trans. Ent. Soc. Lond., 115, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896, *Epiranthus* HÜBNER, Verz. bek. Schmett., 296, 1818, PACKARD, C. 498, *Odontoptera* STEPHENS, Ill., iii, 162, 1831, GUENÉE, Spec. Gén., ix, 164, 1857, LEDERER, Verh. zool.-bot. Ges. Wien, 204, 1853; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 11, 1849; KIRBY, Eur. Butt., 298, 1882; *Metarranthus* WARREN, Nov. Zool., 1, 436, 1894.

- *3940. *hilumaria* HULST, Ent. Amer., i, 206, 1886. Rocky Mts.

3941. *hypochraria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 207, 1855; PACKARD, C. 504; HULST, Ent. News, vi, 15, 1896; BUTLER, Ann. Mag. Nat. Hist., (5), viii, 30, 1881; DYAR, Ent. News, v, 61, 1894; PSYCHE, viii, 415, 1899. Atl. States.

syn. *refractaria* GUENÉE, Spec. Gén., ix, 125, 1857; WALKER, Cat. Brit. Mus., xx, 151, 1860; *meusata* WALKER, Cat. Brit. Mus., xx, 154, 1860.

- a. *lateritaria* GUENÉE, Spec. Gén., ix, 125, 1857; WALKER, Cat. Brit. Mus., xx, 151, 1860.

syn. *faularia* WALKER, Cat. Brit. Mus., xxxv, 1548, 1866; PACKARD, C. 523; *indeclinata* WALKER, Cat. Brit. Mus., xxiii, 888, 1861.

- b. *homuraria* GROTE, Trans. Am. Ent. Soc., ii, 80, 1875; Pap., ii, 100, 1882; Can. Ent., ix, 89, 1877.

3943. **warneri** HARVEY, Bull. Buff. Soc., ii, 121, 1874; GROTE, Cat. Ent., xiv, 106, 1881; HULST, Ent. News, vi, 40, 1895; Ent. Amer., ii, 50, 1886; Ent. News, vi, 15, 1895. No. Atl. States.
syn. *apiciaria* PACKARD, C. 502.
3944. **duaria** GUENÉE, Spec. Gén., ix, 135, 1857; PACKARD, C. 502; HULST, Ent. News, vi, 15, 1895; DYAR, Psyche, ix, 371, 1902. Atl. States, Col.
syn. *hamaria* GUENÉE, Spec. Gén., ix, 136, 1857; *agreasaria* WALKER, Cat. Brit. Mus., xx, 252, 1860; PACKARD, C. 537; *adustaria* WALKER, Cat. Brit. Mus., xxxv, 1545, 1866.
a. pilosaria PACKARD, C. 501, 1876.
- *3945. **barnesii** HULST, Trans. Am. Ent. Soc., xxiii, 374, 1896. Col.
3946. **formosa** HULST, Trans. Am. Ent. Soc., xxiii, 375, 1896. Col., Cal., Nev.
3947. **obfirmaria** HÜBNER, Samml. exot. Schmett., ii, 1806; PACKARD, C. 499. Atl. States.
3948. **distycharia** GUENÉE, Spec. Gén., ix, 83, 1857; WALKER, Cat. Brit. Mus., xx, 104, 1860; HULST, Ent. News, vi, 13, 1895. Tex.
syn. *cayennaria* PACKARD (not Guenée), C. 533.
- *3949. **antidiscaria** WALKER, Cat. Brit. Mus., xxvi, 1513, 1862; PACKARD, C. pl. 13, f. 54; HULST, Ent. Amer., iii, 113, 1887; Ent. News, vi, 14, 1895. Fla.
syn. *lentaria* HULST, Ent. Amer., i, 257, 1886.

EUCHLÆNA Hübner.

HÜBNER, Verz. bek. Schmett., 293, 1818; MEYRICK, Trans. Ent. Soc. Lond., 112, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Endropia* GUENÉE, Spec. Gén., ix, 122, 1857; PACKARD, C. 499.

- *3950. **geniculata** HULST, Ent. Amer., i, 204, 1886. Col.
- *3951. **argillaria** HULST, Ent. Amer., i, 204, 1886. Ariz., Cal.
- *3952. **galbanaria** HULST, Ent. Amer., i, 204, 1886. Ariz.
- *3953. **manubriaria** HULST, Ent. Amer., i, 207, 1886. Col.
3954. **serrata** DRURY, Ill. Exot. Ent., ii, pl. 20, f. 4, 1770; EMMONS, Nat. Hist. N. Y. Agr., v, pl. 40, f. 6, 1854; GROTE, Can. Ent., viii, 152, 1876; HULST, Ent. News, vi, 105, 1895; DYAR, Psyche, ix, 130, 1900. Atl. States.
syn. *serrataria* PACKARD, C. 517; *concisaria* WALKER, Cat. Brit. Mus., xxvi, 1551, 1862; PACKARD, C. 530.

3956. **obtusaria** HÜBNER, Schm. Eur., f. 390, 1835?; PACKARD, C. 516; HULST, Ent. News, vi, 40, 1895. Atl. States.
 syn. *propriaria* WALKER, Cat. Brit. Mus., xx, 249, 1860; *decisaria* WALKER, Cat. Brit. Mus., xx, 47, 1860.
a. tigrinaria GUENÉE, Spec. Gén., ix, 123, 157; WALKER, Cat. Brit. Mus., xx, 149, 1860.
3957. **effectaria** WALKER, Can. Nat., v, 260, 1860; Cat. Brit. Mus., xxvi, 1504, 1862; PACKARD, C. 514; BUTLER, Pap., i, 220, 1881; HULST, Ent. News, vi, 40, 1895. Atl. States.
a. muzaria WALKER, Cat. Brit. Mus., xx, 154, 1860; PACKARD, C. 516.
- *3958. **occantaria** HULST, Ent. Amer., i, 207, 1886. Nev., Wash.
- *3959. **amethystaria** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Fla.
3960. **johnsonaria** FITCH, Trans. N. Y. Agr. Soc., xiii, 530, 1853; HULST, Ent. News, vi, 106, 1895. Atl. States.
 syn. *bilinearia* PACKARD, New and Little Known Ins., 13, 1870; C. 511; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; FRENCH, Trans. Dept. Agr. Ill., xv, 243, 1877; BRUCE, Ent. Amer., iii, 47, 1887.
a. mollisaria HULST, Ent. Amer., i, 206, 1886.
b. minoraria HULST, Ent. Amer., i, 206, 1886.
3961. **amœnaria** GUENÉE, Spec. Gén., ix, 124, 1857; PACKARD, C. 509; GROTE, Can. Ent., xiv, 108, 1882; HULST, Ent. Amer., ii, 50, 1886. Atl. States.
 syn. *deplanaria* WALKER, Cat. Brit. Mus., xxvi, 1510, 1862; PACKARD, C. 498; *arefactaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 13, 1867.
- *3962. **vinulentaria** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 15, 1867; PACKARD, C. 506; HULST, Ent. News, vi, 40, 1895. Atl. States.
3963. **astylusaria** WALKER, Cat. Brit. Mus., xx, 152, 1860; HULST, Ent. News, vi, 40, 1895. Atl. States.
 syn. *madusaria* WALKER, Cat. Brit. Mus., xx, 153, 1860; PACKARD, C. 508; BUTLER, Pap., i, 220, 1881; GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 81, 1868; Can. Ent., xiv, 108, 1882; *oponearia* WALKER, Cat. Brit. Mus., xx, 153, 1860; *vinosaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 17, 1867.
a. tiviararia WALKER, Cat. Brit. Mus., xx, 250, 1860.

3964. **marginata** MINOT, Proc. Bost. Soc. Nat. Hist., xi, 169, 1869; PACKARD, C. 505. Atl. States.
3965. **pectinaria** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 103, 6, 1776; PACKARD, C. 513; DYAR, Psyche, ix, 344, 1902 (*pæctinria*). Atl. States.
syn. *deductaria* WALKER, Cat. Brit. Mus., xx, 151, 1860.
- *3966. **sirenaria** STRECKER, Lep. Rhop. Het., suppl. 2, 7, 1899. Atl. States.
3967. **sesquilinearia** GROTE, Can. Ent., xv, 125, 1883. Ariz.
3968. **falcata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 39, 1874; C. 557; BUTLER, Pap., i, 220, 1881. Cal.
- *3969. **abnormalis** HULST, Jn. N. Y. Ent. Soc., viii, 220, 1901. Man.

EUTRAPELA Hübner.

HÜBNER, Tentamen, 1810; *Selenia* HÜBNER, Verz. bek. Schmett., 292, 1818; PACKARD, C. 524; MEYRICK, Trans. Ent. Soc. Lond., 113, 1892; HOFMANN, Gr. Schm. Eur., 171, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896; KIRBY, Eur. Butt., 300, 1882.

3970. **alciphearia** WALKER, Cat. Brit. Mus., xx, 184, 1860; HULST, Ent. Amer., iii, 113, 1887; DYAR, Psyche, viii, 395, 1899. No. U. S.
3971. **kentaria** GROTE, Trans. Am. Ent. Soc., i, 359, 1865; iv, 1, 1867; Pap., ii, 100, 1882; HULST, Ent. Amer., ii, 162, 1886; iii, 113, 1887; BRUCE, Ent. Amer., iii, 47, 1887; Pap., ii, 81, 1882. Atl. States.
- *3972. **perangulata** HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896. Col.

EPIPLATYMETRA Grote.

GROTE, Can. Ent., v, 145, 1873; viii, 153, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896.

3973. **coloradaria** GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 12, 1867; Can. Ent., xiv, 107, 1882; PACKARD, C. 550; STRECKER, Surv. Dept. Mo., Ruffner, App. SS, 1863, 1878. Col.
- *3974. **grotearia** PACKARD, C. 553, 1876; GROTE, Can. Ent., xv, 125, 1883. Rocky Mts.
syn. *vidularia* GROTE, Can. Ent., xiv, 173, 1882; xv, 25, 1883; HULST, Ent. Amer., ii, 49, 1886.

SYNAXIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 377, 1896.

- *3975. **fuscata** HULST, Can. Ent., xxx, 217, 1898. Col.
- *3976. **pallulata** HULST, Ent. Amer., ii, 211, 1887. Oreg.
- *3977. **oblentaria** GROTE, Can. Ent., xv, 126, 1883. Cal., Ariz.

PHERNE Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 377, 1896.

3978. **parallelia** PACKARD, Proc. Bost. Soc. Nat. Hist., Cal.
xvi, 38, 1874.
syn. *paralleliaria* PACKARD, C. 551; HULST,
Ent. Amer., i, 202, 1886; ii, 48, 1886.
- *3979. **jubararia** HULST, Ent. Amer., ii, 120, 1886. Wash.
3980. **placearia** GUENÉE, Spec. Gén., i, 132, 1857; Cal.
PACKARD, C. 497; HULST, Ent. News, vi, 104,
1895.
syn. *mellitularia* HULST, Ent. Amer., i, 202,
1896.

METANEMA Guenée.

GUENÉE, Spec. Gén., ix, 171, 1857; PACKARD, C. 542; HULST, Trans. Am. Ent. Soc.,
xxiii, 378, 1896.

3981. **inatomaria** GUENÉE, Spec. Gén., ix, 171, 1857; U. S.
PACKARD, C. 543; BRUCE, Ent. Amer., iii, 47,
1887.
3982. **determinata** WALKER, Cat. Brit. Mus., xxxv, No. Atl.
1551, 1866; HULST, Ent. News, vi, 14, 1895. States.
syn. *carnaria* PACKARD, Fifth Rept. Peab.
Acad. Sci., 80, 1873; C. 542.
- *3983. **subpunctata** HULST, Can. Ent., xxx, 218, 1898. Cal.
3984. **excelsa** STRECKER, Surv. Dept. Mo., Ruffner, Rocky
App. SS, 1863, 1878. Mts.
a. simpliciaris GROTE, Can. Ent., xv, 127, 1883;
HULST, Ent. Amer., ii, 48, 1886.
- *3985. **vanusaria** STRECKER, Lep. Rhop. Het., suppl. N. Mex.
2, 6, 1899.
3986. **quercivoraria** GUENÉE, Spec. Gén., ix, 172, 1857; Atl.
PACKARD, C. 544; Ins. Inj. For. Trees, 51, 1881; States.
HULST, Ent. News, vi, 14, 1895.
syn. *æliaria* WALKER, Cat. Brit. Mus., xx,
260, 1860; *trilinearis* PACKARD, C. 542.
- *3987. **incongruaria** HULST, Ent. Amer., ii, 212, 1887. Ont.
3988. **textrinaria** GROTE & ROBINSON, Ann. N. Y. Lyc. Atl.
Nat. Hist., viii, 15, 1867; PACKARD, C. 507; Am. States.
Nat., xviii, 934, 1884; GROTE, Pap., ii, 100, 1882;
HULST, Ent. Amer., ii, 49, 1896.
- *3989. **forficularia** GUENÉE, Spec. Gén., ix, 172, 1857 Cal.
(type lost).

PRIOCYCLA Guenée.

GUENÉE, Spec. Gén., ix, 90, 1857; WALKER, Cat. Brit. Mus., xx, 114, 1860; *Pryocycla* HULST, Trans. Am. Ent. Soc., xxiii, 378, 1896.

3990. **armantaria** HERRICH-SCHAEFFER, Ausser. Atl.
Schmett., f. 373, 1855; PACKARD, C. 510; Rept. States.
Dept. Agr. 83, 1871; SAUNDERS, Can. Ent., iii,
130, 1871; Ins. Inj. Fruits, 354, 1883; FITCH,
Rept. Ins. N. Y., xiii, 522, 1869.
- *3991. **decoloraria** HULST, Ent. Amer., i, 207, 1886. Atl. States.
- *3992. **jucundaria** STRECKER, Lep. Rhop. Het., suppl. Md.
2, 7, 1899.

SNOWIA Neumoegen.

NEUMOEGEN, Pap., iv, 95, 1884; HULST, Trans. Am. Ent. Soc., xxiii, 379, 1896.

- *3993. **montanaria** NEUMOEGEN, Pap., iv, 96, 1884. Col.

STENASPILATES Packard.

PACKARD, C. 212, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 379, 1896.

3994. **zalissaria** WALKER, Cat. Brit. Mus., xx, 187, Fla.
1860; PACKARD, C. 522; HULST, Ent. Amer.,
iii, 113, 1888.
- *3995. **inviolata** HULST, Can. Ent., xxx, 218, 1898. Ariz.
- *3996. **radiosaria** HULST, Ent. Amer., i, 206, 1886. Ariz.
- *3997. **muricolor** HULST, Trans. Am. Ent. Soc., xxiii, Tex.
379, 1896.
3998. **meskearia** PACKARD, C. 213, 1876; HULST, Ent. Rocky
Amer., ii, 141, 1887. Mts.
syn. *arizonaria* HY. EDWARDS, Pap., ii, 130,
1882.
a. albomacularia HY. EDWARDS, Pap., ii, 130,
1882.
3999. **albidula** HULST, Can. Ent., xxiii, 107, 1900. Col., N. Mex.

MARMAREA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 379, 1896.

- *4000. **occidentalis** HULST, Trans. Am. Ent. Soc., xxiii, Cal.,
380, 1896. Ariz.
a. peplarioides HULST, Can. Ent., xxx, 218, 1898.

AZELINA Guenée.

GUENÉE, Spec. Gén., ix, 156, 1857; PACKARD, C. 520; MEYRICK, Trans. N. Zeal. Inst., 106, 1883; HULST, Trans. Am. Ent. Soc., xxiii, 380, 1896.

4001. **ancetaria** HÜBNER, Samml. exot. Schmett., ii, 1806. U. S.

syn. *hubneraria* GUENÉE, Spec. Gén., ix, 159, 1857; PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 386, 1871; BUTLER, Ann. Mag. Nat. Hist., (5), viii, 33, 1881; *hubnerata* PACKARD, C. 520; *honestaria* WALKER, Cat. Brit. Mus., xx, 258, 1860.

- a. peplaria* HÜBNER, Zutr. exot. Schmett., f. 709, 1832; HULST, Ent. Amer., ii, 49, 1886; Ent. News, vi, 14, 1895.

syn. *stygiaria* WALKER, Cat. Brit. Mus., xxxv, 1548, 1866; *atrocolorata* HULST, Ent. Amer., i, 205, 1885.

- b. morrisonata* HY. EDWARDS, Pap., i, 121, 1881; HULST, Ent. Amer., ii, 249, 1886.

4002. **behrensata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 386, 1871; C. 521. Cal.

SYSSAURA Hübner.

HÜBNER, Verz. bek. Schmett., 150, 1818; WARREN, Nov. Zool., i, 458, 1894; *Patalene* HERRICH-SCHAEFFER, Ausser. Schmett., 80, 1855; *Microsemia* HERRICH-SCHAEFFER, Ausser. Schmett., 83, 1855; *Hyperythra* GUENÉE, Spec. Gén., i, 99, 1857; WALKER, Cat. Brit. Mus., xx, 124, 1860; *Hypsoridra* BUTLER, Proc. Zool. Soc. Lond., 492, 1878; *Drepanodes* PACKARD, C. 537.

4003. **siculata** GUENÉE, Spec. Gén., ix, 67, 1857; HULST, Ent. News, vi, 103, 1895. Va., Mont., Ariz.

syn. *perizomaria* HULST, Ent. Amer., i, 205, 1886.

- *4004. **syzygyaria** HULST, Ent. Amer., ii, 121, 1886. Fla.

4005. **infensata** GUENÉE, Spec. Gén., ix, 68, 1857; HULST, Ent. News, vi, 12, 1895. So. Atl. States.

syn. *ephyrata* GUENÉE, Spec. Gén., ix, 69, 1857; *olyzonaria* WALKER, Cat. Brit. Mus., xx, 69, 1860; *æquosus* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 22, 1867; *sesquilinea* GROTE, Can. Ent., ii, 114, 1870.

- a. biclaria* WALKER, Cat. Brit. Mus., xx, 73, 1860.

syn. *æmearia* WALKER, Cat. Brit. Mus., xx, 73, 1860; *puber* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 20, 1867; GROTE, Can. Ent., xiv, 107, 1882; *varus* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 21, 1867; PACKARD, C. 538; *juniperaria* PACKARD, First Rept. Ins. Mass., 22, 1871.

CABERODES Guenée

GUENÉE, Spec. Gén., ix, 135, 1857; PACKARD, C. 531; WARREN, Nov. Zool., i, 487, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 381, 1896.

- *4006. *juncturaria* GUENÉE, Spec. Gén., ix, 88, 1857; S.-E.
WALKER, Cat. Brit. Mus., xx, 102, 1860; HULST, U. S.
Ent. News, vi, 103, 1895.

syn. *incopularia* GUENÉE, Spec. Gén., ix, 89, 1857; WALKER, Cat. Brit. Mus., xx, 112, 1860; *effascinaria* HULST, Ent. Amer., i, 204, 1886.

4007. *confusaria* HÜBNER, Samml. exot. Schmett., i, U. S.
1806; PACKARD, C. 534; BRUCE, Ent. Amer., iii, 47, 1887; HULST, Ent. News, vi, 13, 1895; FRENCH, Trans. Dept. Agr. Ill., xv, 244, 1877.

syn. *remissaria* GUENÉE, *imbraria* GUENÉE, *superaria* GUENÉE, *ineffusaria* GUENÉE, *floridaria* GUENÉE, *phasianaria* GUENÉE, *interlinearia* GUENÉE, Spec. Gén., ix, 137-140, 1857; *varadaria* WALKER, Cat. Brit. Mus., xx, 251, 1860; ? *arburaria* WALKER, Cat. Brit. Mus., xx, 102, 1860; *amyrisaria* WALKER, *myandaria* WALKER, Cat. Brit. Mus., xx, 164, 1860.

- a. *metrocamparia* GUENÉE, Spec. Gén., ix, 137, 1857.

syn. ? *eldanaria* WALKER, Cat. Brit. Mus., xx, 170, 1860.

- b. *minima* HULST, Can. Ent., xxx, 219, 1898.

4008. *majoraria* GUENÉE, Spec. Gén., ix, 138, 1857; Atl. States,
PACKARD, C. 536; HULST, Ent. News, vi, 13, 1895. Col.

syn. *pandaria* WALKER, Cat. Brit. Mus., xx, 173, 1860; PACKARD, C. 534.

- *4008.1. *subochrearia* HULST, Can. Ent., xxxii, 107, 1900. N. J.

OXYDIA Guenée.

GUENÉE, Spec. Gén., ix, 52, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 382, 1896.

- *4009. *zonulata* HULST, Ent. Amer., i, 201, 1886. Tex.

4010. *vesulia* CRAMER, Pap. Exot., iii, pl. 240, f. B, Fla.
1782; WALKER, Cat. Brit. Mus., xx, 53, 1860; HULST, Ent. News, vi, 13, 1895.

syn. *vesuliata* GUENÉE, Spec. Gén., ix, 60, 1857; HULST, Ent. Amer., ii, 47, 1886; *peosinata* GUENÉE, *distichata* GUENÉE, *nimbata* GUENÉE, Spec. Gén., ix, 59, 1857; *saturniata* GUENÉE, *agliata* GUENÉE, *gastro-pachata* GUENÉE, Spec. Gén., ix, 62, 1857; WALKER, Cat. Brit. Mus., xx, 55, 1860; *transponens* WALKER, Cat. Brit. Mus., xx, 20, 1860; *vitaligata* FELDER, Reise Nov., Lep., pl. 122, f. 17, 1873.

ABBOTANA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 383, 1896.

4028. *clemataria* SMITH & ABBOT, Lep. Ins. Ga., ii, 201, 1797; PACKARD, C. 561; BRUCE, Ent. Amer., iii, 47, 1887; HULST, Ent. Amer., ii, 47, 1886; DYAR, Psyche, ix, 142, 1900.

Atl.
States.

syn. *transferens* WALKER, Cat. Brit. Mus., xx, 19, 1860.

- a. *transducens* WALKER, Cat. Brit. Mus., xx, 18, 1860.

Subfamily MECOCERATINÆ

MECOCERAS Guenée.

GUENÉE, Spec. Gén., ix, 388, 1857; WALKER, Cat. Brit. Mus., xxii, 606, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 385, 1896.

4029. *nitoris* CRAMER, Pap. Exot., iii, pl. 275, f. A, 1776; WALKER, Cat. Brit. Mus., xxii, 606, 1860; DYAR, Psyche, ix, 69, 1900.

Fla.

syn. *nitocraria* HÜBNER, Samml. exot. Schmett., ii, 1806; GUENÉE, Spec. Gén., ix, 389, 1857; *peninsularia* GROTE, Pap., iii, 79, 1883.

ALMODES Guenée.

GUENÉE, Spec. Gén., ix, 389, 1857; WALKER, Cat. Brit. Mus., xxii, 607, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 385, 1896.

- *4030. *terraria* GUENÉE, Spec. Gén., ix, 390, 1857; WALKER, Cat. Brit. Mus., xxii, 608, 1861; HULST, Ent. News, vi, 73, 1896; WARREN, Nov. Zool., i, 376, 1894.

Fla.

syn. *stellidaria* GUENÉE, Spec. Gén., x, 450, 1857; *squamigera* FELDER, Reise Novara, pl. 126, f. 11, 1874; *balteolata* HERRICH-SCHAEFFER, Corr.-Blatt. Reg., xxiv, 190, 1870; MÖSCHLER, Abh. Senck. Ges., xvi, 272, 1890; *assecoma* DRUCE, Biol. Cent. Am., Lep. Het., ii, 79, 1892; *calvina* DRUCE, Biol. Cent. Am., Lep. Het., ii, 79, 1892; *rivularia* GROTE, Pap., iii, 79, 1883.

Subfamily PALYADINÆ

PALYAS Guenée.

GUENÉE, Spec. Gén., ix, 395, 1857; WALKER, Cat. Brit. Mus., xxiii, 612, 1861; WARREN, Nov. Zool., i, 402, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 384, 1896.

- *4031. *auriferaria* HULST, Ent. Amer., ii, 188, 1887.

Fla.

PHRYGIONIS Hübner.

HÜBNER, Verz. bek. Schmett., 307, 1818; WARREN, Nov. Zool., i, 394, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 384, 1896; *Byssodes* GUENÉE, Spec. Gén., ix, 399, 1857; WALKER, Cat. Brit. Mus., xxii, 617, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 384, 1896.

4032. **argenteostriata** STRECKER, Proc. Acad. Nat. Sci. Fla.
Phil., 152, 1876; HULST, Ent. Amer., ii, 222,
1886; DYAR, Proc. Ent. Soc. Wash., iv, 458, 1901.
syn. *cerussata* GROTE, Pap., ii, 101, 1882;
obrussata GROTE, Can. Ent., xiv, 111, 1882;
xv, 6, 1883.

Subfamily SPHÆCELODINÆ.

SPHÆCELODES Guenée.

GUENÉE, Spec. Gén., x, 116, 1857; WALKER, Cat. Brit. Mus., xx, 213, 1860; HULST, Trans. Am. Ent. Soc., xxiii, 367, 1896; *Brotis* HÜBNER (not ^a), Verz. bek. Schmett., 303, 1818.

4033. **vulneraria** HÜBNER, Zutr. exot. Schmett., f. 319, Atl.
1825; GUENÉE, Spec. Gén., x, 117, 1857; States.
WALKER, Cat. Brit. Mus., xx, 214, 1860; GROTE,
Can. Ent., viii, 154, 1876; xii, 116, 1880; HULST,
Can. Ent., xviii, 136, 1886.
syn. *floridensis* HOLLAND, Pap., iv, 72, 1884.

Subfamily MELANCHROIINÆ.

MELANCHROIA Hübner.

HÜBNER, Verz. bek. Schmett., 173, 1818.

4034. **regnatrrix** GROTE, Ann. N. Y. Lyc. Nat. Hist., Cuba,
viii, 441, 1867. Fla. ?
4035. **cephise** CRAMER, Pap. Exot., iv, pl. 381, f. E, Ariz.,
1782; GROTE, Proc. Ent. Soc. Phil., vi, 306, Fla.,
1867; HY. EDWARDS, Ent. Amer., ii, 9, 1886; So.
COCKERELL, Can. Ent., xxv, 26, 1893. Am.
4036. **geometroides** WALKER, Cat. Brit. Mus., ii, 387, Tex.,
1854; GROTE, Proc. Ent. Soc. Phil., vi, 307, Mex.,
1867. Fla.
syn. *mors* LUCAS, Hist. Nat. Cuba, 663, 1857.

Subfamily BREPHINÆ.

BREPHOS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 96, 1816.

4037. **infans** MÖSCHLER, Wien. ent. Mon., vi, 134, No. Atl.
1862; SMITH, Bull. 44, U. S. Nat. Mus., 396, States.
1893; BRAINERD, Can. Ent., xxix, 272, 1897;
LYMAN, Can. Ent., xxx, 49, 1898; STAUDINGER
& REBEL, Cat. Lep. Eur., i, no. 2855, 1901.
syn. *hamadryas* HARRIS.

^aPreoccupied, according to Hulst's manuscript.

*4038. **melanis** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 88, 1868; SMITH, Bull. 44, U. S. Nat. Mus., 396, 1893. Cal.

*4039. **californicus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 88, 1868; SMITH, Bull. 44, U. S. Nat. Mus., 396, 1893. Cal.

LEUCOBREPHOS Grote.

GROTE, Bull. Buff. Soc. Nat. Sci., ii, 53, 1874.

*4040. **brephoides** WALKER, Cat. Brit. Mus., xi, 702, 1857; SMITH, Bull. 44, U. S. Nat. Mus., 397, 1893. No. U. S.

syn. *noyi* GROTE, *resoluta* ZELLER.

*4041. **middendorfi** MÉNÉTRIES, Schrenk's Reise, 66, 1859; SMITH, Bull. 44, U. S. Nat. Mus., 397, 1893; STAUDINGER & REBEL Cat. Lep. Eur., i, no. 2857. 1901. Canada.

Family EPIPLEMIDÆ.

PHILAGRAULA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896.

*4042. **slossoniæ** HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896. Fla.

CALLIZZIA Packard.

PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 314, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 309, 1896.

4043. **amorata** PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 315, 1876. No. U. S., Ariz., Col.

CALLEDAPTERYX Grote.

GROTE, Trans. Am. Ent. Soc., ii, 119, 1868; HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896.

4044. **dryopterata** GROTE, Trans. Am. Ent. Soc., ii, 120, 1868; PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 313, 1876. Atl. States.

syn. *erosiata* PACKARD, Rept. Geol. Surv. Terr., Hayden, x, pl. 3, f. 14, 1876.

SCHIDAX Hübner.

HÜBNER, Verz. bek. Schmett., 315, 1818; GUENÉE, Spec. Gén., x, 39, 1857; WALKER, Cat. Brit. Mus., xxiii, 853, 1861.

*4045. **coronaria** STRECKER, Lep. Rhöp. Het., suppl. 2, 8, 1899. Fla.

Superfamily TINEOIDEA.

Family NOLIDÆ.

(C.=HAMPSON Cat. Lep. Phal. Brit. Mus., ii, 1900.)

CELAMA Walker.

WALKER, Cat. Brit. Mus., xxxii, 500, 1865; HAMPSON, C. 5.

4046. **triquetrana** FITCH, First Rept. Ins. N. Y., 244, 1856; SMITH, Bull. 44, U. S. Nat. Mus., 193, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 42, 1898; HAMPSON, C. no. 34. Atl. States.
 syn. *trinotata* WALKER, *sexmaculata* GROTE.
4047. **minna** BUTLER, Ann. Mag. Nat. Hist., (5), viii, 315, 1881; HAMPSON, C. no. 36. Pac. States.
 syn. *hyemalis* STRETCH.
4048. **sorghiella** RILEY, Rept. Dept. Agr., 188, 1882; HAMPSON, C. no. 33. So. Atl. States.
4049. **pustulata** WALKER, Cat. Brit. Mus., xxxiii, 795, 1865; HAMPSON, C. no. 26. Atl. States.
 syn. *nigrofasciata* ZELLER, *obaurata* MORRISON.
4050. **cilicoides** GROTE, Bull. Buff. Soc., i, 175, 1873; HAMPSON, C. no. 27. Atl. States.
- *4051. **anfracta** HY. EDWARDS, Pap., i, 12, 1881; HAMPSON, C. no. 152. Cal.
- *4051. 1. **aphyla** HAMPSON, C. no. 15, 1900. Cal.

NOLA Leach.

LEACH, Edinb. Encycl., ix, 135, 1815; SNELLEN, Tijds. voor Ent., xviii, 61, 1874; HAMPSON, C. 31.

4052. **clethræ** DYAR, Can. Ent., xxxi, 62, 1899; HAMPSON, C. no. 46. Atl. States.
4053. **ovilla** GROTE, Can. Ent., vii, 221, 1875; HAMPSON, C. no. 45. Atl. States.
4054. **apera** DRUCE, Biol. Cent. Am., Lep. Het., ii, 404, 1897; HAMPSON, C. no. 76. Ariz., Cal., Mex., Fla.
 syn. *involuta* DYAR, Jn. N. Y. Ent. Soc., vi, 42, 1898.
a. exposita DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898.
b. lagunculariæ DYAR, Proc. Ent. Soc. Wash., iv, 465, 1901.

RÆSELIA Hübner.

HÜBNER, Verz. bek. Schmett., 397, 1827; HAMPSON, C. 51.

4055. **minuscula** ZELLER, Verh. zool.-bot. Ges. Wien, **Atl.**
xxii, 455, 1872; HAMPSON, C. no. 142. **States.**
syn. *minor* DYAR, Can. Ent., xxxi, 64, 1899.
a. phylla DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898;
Can. Ent., xxxi, 61, 1899.

4056. **fuscula** GROTE, Pap., i, 76, 1881. **Col.**
syn. *conspicua* DYAR, Jn. N. Y. Ent. Soc., vi,
43, 1898.

4057. **dentata** DYAR, Can. Ent., xxxi, 64, 1899; HAMP- **Ariz.**
SON, C. no. 133.

NIGETIA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1505, 1865; HAMPSON, C. 50.

4058. **formosalis** WALKER, Cat. Brit. Mus., xxxiv, **Atl.**
1506, 1865; HAMPSON, C. no. 104; Proc. Zool. **States.**
Soc. Lond., 290, 1899.
syn. *melanopa* ZELLER.

Family LACOSOMIDÆ.

(C.=NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 120, 1894.)

CICINNUS Blanchard.

BLANCHARD, Gay's Hist. Chile, Zool., vii, 66, 1852; NEUMOESEN & DYAR, C. 120.

4059. **melsheimeri** HARRIS, Rep. Ins. Mass., 290, 1841; **Atl.**
NEUMOESEN & DYAR, C. 120. **States.**
syn. *egenaria* WALKER.

LACOSOMA Grote.

GROTE, Proc. Ent. Soc. Phil., iii, 77, 1864; NEUMOESEN & DYAR, C. 120.

4060. **chiridota** GROTE, Proc. Ent. Soc. Phil., iii, 78, **Atl.**
1864; NEUMOESEN & DYAR, C. 120. **States.**
4061. **arizonicum** DYAR, Jn. N. Y. Ent. Soc., vi, 44, 1898. **Ariz.**

Family PSYCHIDÆ.

(C.=NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111-120, 1894.)

OIKETICUS Guilding.

GUILDING, Trans. Ent. Soc. Lond., xv, 375, 1837; NEUMOESEN & DYAR, C. 118.

4062. **abbottii** GROTE, No. Am. Ent., i, 52, 1880; NEU- **Fla.**
MOESEN & DYAR, C. 118.

4063. **townsendi** COCKERELL, Ann. Mag. Nat. Hist., (6), N. Mex.
 xv, 208, 1895; DYAR, Can. Ent., xxvii, 242, 1895.
- *4064. **davidsoni** HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
 vii, 142, 1877; DYAR, Ent. News, iv, 320, 1893.

THYRIDOPTERYX Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 387, 1834; NEUMOEGEN & DYAR, C. 118.

4065. **ephemeræformis** HAWORTH, Lep. Brit., 72, 1803; Atl.
 NEUMOEGEN & DYAR, C. 118. States.
- syn. *coniferarum* PACKARD.
4066. **meadii** HY. EDWARDS, Pap., i, 116, 1881; NEU- So.
 MOEGEN & DYAR, C. 119. Cal.

PLATŒCETICUS Packard.

PACKARD, Guide Stud. Ins., 291, 1869; NEUMOEGEN & DYAR, C. 119.

4067. **gloveri** PACKARD, Guide Stud. Ins., 291, 1869; Fla.
 NEUMOEGEN & DYAR, C. 119.
- syn. *edwardsii* HEYLAERTS.

EURYCYTTARUS Hampson.

HAMPSON, Ill. Lep. Het. Brit. Mus., viii, 66, 1891; NEUMOEGEN & DYAR, C. 119.

4068. **confederata** GROTE & ROBINSON, Trans. Am. Ent. Atl.
 Soc., ii, 191, 1868; NEUMOEGEN & DYAR, C. 119. States.
4069. **carbonaria** PACKARD, Ent. Amer., iii, 51, 1887; Tex.
 NEUMOEGEN & DYAR, C. 119.

CHALIA Moore.

MOORE, Ann. Mag. Nat. Hist., (4), xx, 345, 1877; NEUMOEGEN & DYAR, C. 120.

- *4070. **rileyi** HEYLAERTS, Ann. Soc. Ent. Belg., xxviii, Atl.
 208, 1884; NEUMOEGEN & DYAR, C. 120. States.
4071. **fragmentella** HY. EDWARDS, Proc. Cal. Acad. Sci., Pac.
 vii, 142, 1877; DYAR, Ent. News, iv, 320, 1893. States.
- syn. *coniferella* HY. EDWARDS.

SOLENOBIA Zeller.

ZELLER, Linn. Ent., vii, 332, 1852; CLEMENS, Tin. Nor. Am., 181, 1872.

4072. **walshella** CLEMENS, Proc. Ent. Soc. Phil., i, 132, Atl.
 1862; PACKARD, Guide Stud. Ins., 346, 1869; States.
 CHAMBERS, Can. Ent., v, 74, 1873; vii, 125, 1875;
 viii, 19, 1876.

HYALOSCOTES Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), viii, 314, 1881.

- *4073. *fumosa* BUTLER, Ann. Mag. Nat. Hist., (5), viii, 314, 1881; NEUMOESEN & DYAR, C. i. 114. Cal.

ÆDONIA Kirby.

KIRBY, Cat. Lep. Het., i, 524, 1892; DYAR, Can. Ent., xxv, 301, 1893.

- *4074. *exigua* HY. EDWARDS, Pap., ii, 125, 1882; DYAR, Can. Ent., xxv, 301, 1893. Ariz.

Family COCHLIDIIDÆ.

(C. = NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 64-76, 109, 1894.

SIBINE Herrich-Schaeffer.

HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, 7, 1855.

4075. *stimulea* CLEMENS, Proc. Acad. Nat. Sci. Phil., xi, 158, 1860; NEUMOESEN & DYAR, C. 72; DYAR & MORTON, Jn. N. Y. Ent. Soc., iv, 1, 1896. Atl. States.
syn. *ephippiatus* HARRIS.

EUCLEA Hübner.

HÜBNER, Verz. bek. Schmett., 149, 1822.

4076. *nanina* DYAR, Jn. N. Y. Ent. Soc., vii, 247, 1899. Fla.
syn. *nana* DYAR (not HERRICH-SCHAEFFER), Ent. News, ii, 61, 1891; NEUMOESEN & DYAR, C. 67.
4077. *delphinii* BOISDUVAL, Cuvier An. King., pl. ciii, f. 6, 1832; NEUMOESEN & DYAR, C. 67; DYAR, Jn. N. Y. Ent. Soc., v, 57, 1897. Atl. States.
syn. *strigata* BOISDUVAL, *quercicola* HERRICH-SCHAEFFER, *tardigrada* CLEMENS, *ferruginea* PACKARD, *argentatus* WETHERBY, Cin. Quart. Jn. Sci., ii, 366, 1875.
a. querceti HERRICH-SCHAEFFER, Samml. ausser. Schmett., f. 174, 1854.
syn. *bifida* PACKARD.
b. interjecta DYAR, Ent. News, ii, 61, 1891.
c. viridiclava WALKER, Cat. Brit. Mus., v, 1154, 1855.
syn. *monitor* PACKARD.
d. elliotii PEARSALL, Ent. Amer., i, 209, 1887.
e. pænulata CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 159, 1860.

4078. **incisa** HARVEY, Can. Ent., viii, 5, 1876; NEUMOEGEN & DYAR, C. 68. Tex.
4079. **indetermina** BOISDUVAL, Cuv. An. King., pl. ciii, f. 1, 1832; NEUMOEGEN & DYAR, C. 68; DYAR, Jn. N. Y. Ent. Soc., v, 10, 1897. Atl. States.
syn. *vernata* PACKARD.
4080. **chloris** HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, f. 146, 1854; NEUMOEGEN & DYAR, C. 72; DYAR, Jn. N. Y. Ent. Soc., v, 61, 1897. Atl. States.
syn. *viridis* REAKIRT, *fraterna* GROTE.

MONOLEUCA Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 187, 1869; NEUMOEGEN & DYAR, C. 69.

4081. **subdentosa** DYAR, Trans. Am. Ent. Soc., xviii, 156, 1891; NEUMOEGEN & DYAR, C. 69. Fla.
4082. **semifascia** WALKER, Cat. Brit. Mus., v, 1151, 1855; NEUMOEGEN & DYAR, C. 69. So. Atl. States.
4083. **sulfurea** GROTE, No. Am. Ent., i, 60, 1880; NEUMOEGEN & DYAR, C. 69. Fla.
- *4084. **obliqua** HY. EDWARDS, Ent. Amer., ii, 10, 1886; NEUMOEGEN & DYAR, C. 69. Fla.

ADONETA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 158, 1860.

4085. **spinuloides** HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, f. 187, 1854; NEUMOEGEN & DYAR, C. 71; DYAR, Jn. N. Y. Ent. Soc., v, 5, 1897. Atl. States.
syn. *voluta* CLEMENS, *ferrigera* WALKER, *nebulosus* WETHERBY, Cin. Quart. Jn. Sci., ii, 370, 1875.
a. leucosigma PACKARD, Proc. Ent. Soc. Phil., iii, 345, 1864; NEUMOEGEN & DYAR, C. 72.
4086. **pygmæa** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 189, 1868; NEUMOEGEN & DYAR, C. 71. Tex.

SISYROSEA Grote.

GROTE, Can. Ent., viii, 112, 1876; NEUMOEGEN & DYAR, C. 69.

4087. **textula** HERRICH-SCHAEFFER, Ausser. Schmett., f. 184, 1854; DYAR, Jn. N. Y. Ent. Soc., iv, 185, 1896. Atl. States.
syn. *inornata* GROTE & ROBINSON.

NATADA Walker.

WALKER, Cat. Brit. Mus., v, 1108, 1855.

4088. *nasoni* GROTE, Can. Ent., viii, 112, 1876; DYAR, Jn. N. Y. Ent. Soc., vii, 61, 1899. Atl.
States.
syn. *daona* DRUCE, *rude* HY. EDWARDS.

PHOBETRON Hübner.

HÜBNER, Verz. bek. Schmett., 398, 1827; NEUMOEGEN & DYAR, C. 70.

4089. *pithecium* SMITH & ABBOT, Lep. Ins. Ga., ii, 74, 1897; NEUMOEGEN & DYAR, C. 70; DYAR, Jn. N. Y. Ent. Soc., iv, 178, 1896. Atl.
States.
syn. *abbotana* HÜBNER, *nigricans* PACKARD, *hyalinus* WALSH, *tetradactylus* WALSH, *nondescriptus* WETHERBY, Cin. Quart. Jn. Sci., ii, 371, 1875.

ISOCHÆTES Dyar.

DYAR, Jn. N. Y. Ent. Soc., vii, 208, 1899.

4090. *beutenmülleri* HY. EDWARDS, Can. Ent., xix, 145 1887; NEUMOEGEN & DYAR, C. 71. Atl.
States.

ALARODIA Möschler.

MÖSCHLER, Abhl. Sencken. Ges., xiv, 3 Heft, 35, 1886.

4091. *slossoniæ* PACKARD, Ent. News, iv, 169, 1893; NEUMOEGEN & DYAR, C. 111; DYAR, Jn. N. Y. Ent. Soc., v, 122, 1897; vi, 158, 1898. Fla.

PROLIMACODES Schaus.

SCHAUS, Jn. N. Y. Ent. Soc., iv, 56, 1896.

4092. *scapha* HARRIS, Rep. Ins. Mass., 303, 1841; NEUMOEGEN & DYAR, C. 73; DYAR, Jn. N. Y. Ent. Soc., iv, 172, 1896. Atl.
States.
syn. *undifera* WALKER.
- *4093. *trigona* HY. EDWARDS, Pap., ii, 12, 1882; NEUMOEGEN & DYAR, C. 73. Ariz.
syn. *telligii* BARNES, Can. Ent., xxiii, 46, 1900.

COCHLIDION Hübner.

HÜBNER, Tentamen, 1806; *Apoda* NEUMOEGEN & DYAR, C. 73.

4094. *biguttata* PACKARD, Proc. Ent. Soc. Phil., iii, 341, 1864; NEUMOEGEN & DYAR, C. 73; DYAR, Jn. N. Y. Ent. Soc., v, 167, 1897. Atl.
States.
syn. *tetraspilaris* WALKER.

4095. **rectilinea** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 188, 1868; NEUMOESEN & DYAR, C. 73. Atl. States.
a. latomia HARVEY, Can. Ent., ix, 75, 1875; NEUMOESEN & DYAR, C. 74.
4096. **y-inversa** PACKARD, Proc. Ent. Soc. Phil., iii, 461, 1864; NEUMOESEN & DYAR, C. 74; DYAR & MORTON, Jn. N. Y. Ent. Soc., iii, 151, 1895. Atl. States.
a. parallela HY. EDWARDS, Ent. Amer., ii, 10, 1886.

LITHACODES Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 345, 1864.

4097. **fasciola** HERRICH-SCHAEFFER, Ausser. Schmett., i, f. 186, 1854; NEUMOESEN & DYAR, C. 76; DYAR, Jn. N. Y. Ent. Soc., v, 1, 1897. Atl. States.
 syn. *divergens* WALKER, Trans. Ent. Soc. Lond., 82, 1862; SCHAU, Proc. Zool. Soc. Lond., 650, 1896.
a. laticlavata CLEMENS, Proc. Acad. Nat. Sci. Phil., xii 157, 1860.

PACKARDIA Grote & Robinson.

GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 373, 1866; NEUMOESEN & DYAR, C. 76.

4098. **elegans** PACKARD, Proc. Ent. Soc. Phil., iii, 342, 1864; NEUMOESEN & DYAR, C. 76; DYAR, Jn. N. Y. Ent. Soc., vi, 5, 1898. Atl. States.
 syn. *nigripunctata* GOODELL.
a. fusca PACKARD, Proc. Ent. Soc. Phil., iii, 343, 1864.
4099. **geminata** PACKARD, Proc. Ent. Soc. Phil., iii, 343, 1864; NEUMOESEN & DYAR, C. 109; DYAR, Jn. N. Y. Ent. Soc., vi, 2, 1898. Atl. States.
4100. **albipunctata** PACKARD, Proc. Ent. Soc. Phil., iii, 344, 1864; NEUMOESEN & DYAR, C. 109. Atl. States.
 syn. *goodellii* GROTE.
a. ocellata GROTE, Proc. Ent. Soc. Phil., iv, 322, 1864.

HETEROGENEA Knoch.

KNOCH, Beitr. Ins., iii, 60, 1793; NEUMOESEN & DYAR, C. 74.

4101. **shurtleffi** PACKARD, Proc. Ent. Soc. Phil., iii, 346, 1864; NEUMOESEN & DYAR, C. 74; DYAR, Jn. N. Y. Ent. Soc., vi, 241, 1898. Atl. States.

KRONÆA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., iii, 347, 1864; NEUMOEGEN & DYAR, C. 75.

- *4102. **minuta** REAKIRT, Proc. Ent. Soc. Phil., iii, 251, 1864; NEUMOEGEN & DYAR, C. 75. Atl.
States.

TORTRICIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 347, 1864; NEUMOEGEN & DYAR, C. 75.

4103. **fiskeana** DYAR, Ent. News, x, 333, 1900. Atl. States.
4104. **græfli** PACKARD, Ent. Amer., iii, 52, 1887. Tex.
4105. **flexuosa** GROTE, No. Am. Ent., i, 60, 1880; DYAR, Jn. N. Y. Ent. Soc., vi, 94, 1898. Atl.
States.
- a. cæsonia* GROTE, No. Am. Ent., i, 60, 1880; NEUMOEGEN & DYAR, C. 74.
4106. **testacea** PACKARD, Proc. Ent. Soc. Phil., iii, 348, 1864; NEUMOEGEN & DYAR, C. 75; DYAR, Jn. N. Y. Ent. Soc., vi, 151, 1898. Atl.
States.
- a. crypta* DYAR, Proc. U. S. Nat. Mus., xxv, 395, 1902. Col.
4107. **pallida** HERRICH-SCHAEFFER, Ausser. Schmett., f. 183, 1854; NEUMOEGEN & DYAR, C. 75; DYAR, Jn. N. Y. Ent. Soc., vi, 155, 1898. Atl.
States.
- a. flavula* HERRICH-SCHAEFFER, Ausser. Schmett., f. 185, 1854.

Family MEGALOPYGIDÆ.

(C. = NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 109-110, 1894.)

CARAMA Walker.

WALKER, Cat. Brit. Mus., iv, 843, 1855; NEUMOEGEN & DYAR, C. 109.

4108. **cretata** GROTE, Proc. Ent. Soc. Phil., iii, 524, 1864; NEUMOEGEN & DYAR, C. 110; DYAR, Jn. N. Y. Ent. Soc., x, 54, 1902. Atl.
States.
- syn. *pura* BUTLER, Trans. Ent. Soc. Lond., 64, 1878; DYAR, Can. Ent., xxvii, 14, 1895.

MEGALOPYGE Hübner.

HÜBNER, Verz. bek. Schmett., 185, 1822; NEUMOEGEN & DYAR, C. 110.

4109. **opercularis** SMITH & ABBOT, Lep. Ins. Ga., ii, 53, 1797; NEUMOEGEN & DYAR, C. 110. So. Atl.
States.
- syn. *lanuginosa* CLEMENS, *subcitrina* WALKER

LAGOA Harris.

HARRIS, Rep. Ins. Mass., 205, 1841; DYAR, Can. Ent., xxix, 67, 1897.

4110. **crispata** PACKARD, Proc. Ent. Soc. Phil., iii, 335, 1864; NEUMOEGEN & DYAR, C. 110. Atl. States.
4111. **pyxidifera** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 54, 1797; NEUMOEGEN & DYAR, C. 110. So. Atl. States.

TROSIA Hübner.

HÜBNER, Verz. bek. Schmett., 196, 1822; DYAR, Jn. N. Y. Ent. Soc., vii, 173, 1899.

4112. **obsolescens** DYAR, Jn. N. Y. Ent. Soc., vii, 173, 1899. Ariz.

Family DALCERIDÆ.

DALCERIDES Neumoegen & Dyar.

NEUMOEGEN & DYAR, Can. Ent., xxv, 121, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 232, 1898.

- *4113. **ingenita** HY. EDWARDS, Pap., ii, 12, 1882; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111, 1894. Ariz.

Family EPIPYROPIDÆ.

EPIPYROPS Westwood.

WESTWOOD, Trans. Ent. Soc. Lond., 522, 1876; KIRBY, Cat. Lep. Het., i, 490, 1892.

4114. **barberiana** DYAR, Proc. Ent. Soc. Wash., v, 43, 1902. N. Mex.

Family PYROMORPHIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 63, 1894.)

ACOLOITHUS Clemens.

CLEMENS, Proc. Acad. Nat. Soc. Phil., 539, 1860; NEUMOEGEN & DYAR, C. 63.

4115. **falsarius** CLEMENS, Proc. Acad. Nat. Sci. Phil., 540, 1860; NEUMOEGEN & DYAR, C. 63. Atl. States.
syn. *sauborni* PACKARD.

4116. **rectarius** DYAR, Jn. N. Y. Ent. Soc., vi, 44, 1898. Ariz.

PYROMORPHA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., i, p. 6, 1854; NEUMOEGEN & DYAR, C. 63.

4117. **dimidiata** HERRICH-SCHAEFFER, Ausser. Schmett., f. 222, 1855; NEUMOEGEN & DYAR, C. 63. Atl. States.
syn. *perlucidula* CLEMENS.

- *4118. **centralis** WALKER, Cat. Brit. Mus., ii, 288, 1854. Mex., Fla.?
 syn. *notha* HY. EDWARDS, Ent. Amer., i, 128,
 1885.

TRIPROCRIS Grote.

GROTE, Bull. Buff. Soc., i, 35, 1873; NEUMOEGEN & DYAR, C. 63.

4119. **fusca** HY. EDWARDS, Pap., iv, 43, 1884; NEUMOE-
 GEN & DYAR, C. 64. Ariz.
4120. **rata** HY. EDWARDS, Pap., ii, 124, 1882; NEUMOE-
 GEN & DYAR, C. 64. Ariz.
4121. **latercula** HY. EDWARDS, Pap., ii, 124, 1882; NEU-
 MOEGEN & DYAR, C. 64. Ariz.
4122. **constans** HY. EDWARDS, Pap., i, 81, 1881; NEU-
 MOEGEN & DYAR, C. 64. Ariz.
- a. sancta* NEUMOEGEN & DYAR, Jn. N. Y. Ent. N. Mex.
 Soc., ii, 64, 1894.
4123. **smithsonianus** CLEMENS, Proc. Acad. Nat. Sci. Rocky Mts.,
 Phil., 540, 1860; NEUMOEGEN & DYAR, C. 64; Tex.
 DYAR, Proc. Ent. Soc. Wash., v, 33, 1902.
4124. **marteni** FRENCH, Pap., iii, 191, 1883; NEUMOE-
 GEN & DYAR, C. 65. Rocky
 Mts.
- *4125. **aversus** HY. EDWARDS, Pap., iv, 13, 1884. Mex., Ariz.
4126. **lustrans** BEUTENMÜLLER, Bull. Am. Mus. Nat. Col.,
 Hist., vi, 367, 1894; NEUMOEGEN & DYAR, C. 172. Mex.

HARRISINA Packard.

PACKARD, Proc. Essex Ins., iv, 31, 1864; NEUMOEGEN & DYAR, C. 65.

4127. **coracina** CLEMENS, Proc. Acad. Nat. Sci. Phil., Tex.,
 539, 1860; NEUMOEGEN & DYAR, C. 65. Ariz.
- syn. *nigrina* GRAEF.
4128. **metallica** STRETCH, Ent. Amer., i, 102, 1885; NEU-
 MOEGEN & DYAR, C. 66. Tex.,
 Ariz.
4129. **americana** GUÉRIN-MÉNEVILLE, Icon. Règ. An. Atl.
 Ins., 500, 1829; NEUMOEGEN & DYAR, C. 65. States.
- syn. *texana* STRETCH.
- a. australis* STRETCH, Ent. Amer., i, 102, 1885;
 NEUMOEGEN & DYAR, C. 65.

Family CHALCOSIDÆ.

GINGLA Walker.

WALKER, Cat. Brit. Mus., xxxi, 128, 1864.

4130. **laterculæ** DYAR, Jn. N. Y. Ent. Soc., viii, 32, 1900. Ariz.

Family THYRIDÆ.

(C.=HAMPSON, Proc. Zool. Soc. Lond., 603-633, 1897.)

THYRIS Laspeyres.

LASPEYRES, Ill. Mag., ii, 39, 1803; HAMPSON, C. 606.

4131. **maculata** HARRIS, Am. Jn. Sci., xxxvi, 313, 1836; Atl.
HAMPSON, C. 607. States.

syn. *perspicua* WALKER.

4132. **lugubris** BOISDUVAL, Spec. Gén., pl. 14, f. 11, Atl.
1852; i, 490, 1874; HAMPSON, C. 607. States.

syn. *sepulchralis* BOISDUVAL, *nevadæ* OBER
THUR.

DYSODIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 389, 1860; HAMPSON, C. 608.

- *4133. **vitrina** BOISDUVAL, Mon. Zyg., pl. 1, f. 5, 1829; U. S.
HAMPSON, C. 609.

4134. **oculatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., U. S.
349, 1860; HAMPSON, C. 609.

syn. *plena* WALKER, *fasciata* GROTE & ROB-
INSON, *montana* HY. EDWARDS, *aurea* PA-
GENSTECHER.

- *4135. **granulata** NEUMOEGEN, Pap., iii, 137, 1883. Ariz.

- *4136. **speculifera** SEPP, Surin. Vlind., iii, pl. 135, 1830; Fla.,
HAMPSON, 609. So. Am.

syn. *æqualis* WALKER, *flagrata* WALKER.
thyridina FELDER, *floridana* HULST.

HEXERIS Grote.

GROTE, Can. Ent., vii, 176, 1875; HAMPSON, C. 627.

4137. **enhydris** GROTE, Can. Ent., vii, 176, 1875; Fla.,
HAMPSON, C. 627. Cal.

syn. *reticulina* BEUTENMÜLLER.

. BELNOPTERA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 76, 1858; HAMPSON, C. 628.

- *4138. **fratercula** PAGENSTECHER, Iris, v, 95, 1892; Cal.
HAMPSON, C. 629.

MESKEA Grote.

GROTE, Can. Ent., ix, 114, 1877; HAMPSON, C. 631.

4139. **dyspteraria** GROTE, Can. Ent., ix, 115, 1877; Fla.
HAMPSON, C. 632.

THYRIDOPYRALIS Dyar.

DYAR, Jn. N. Y. Ent. Soc., ix, 23, 1901.

4140. **gallærandialis** DYAR, Jn. N. Y. Ent. Soc., ix, 23, 1901. Fla.

Family COSSIDÆ.

(C.=NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., ii, 160-166, 1894.)

ZEUZERA Latreille.

LATREILLE, Dict. Hist. Nat., xxiv, 186, 1804; NEUMOESEN & DYAR, C. 160.

4141. **pyrina** LINNÆUS, Faun. Suec., 306, 1701; NEUMOESEN & DYAR, C. 160. Atl. States, Eur.
 syn. *hypocustrina* PODA, *æsculi* LINNÆUS,
hilaris FOURCROY *decipiens* KIRBY.

COSSUS Fabricius.

FABRICIUS, Ent. Syst., iii, (2), 8, 1794; NEUMOESEN & DYAR, C. 161.

4142. **centerensis** LINTNER, Can. Ent., ix, 129, 1877; NEUMOESEN & DYAR, C. 161. Atl. States.
 4143. **undosus** LINTNER, Rept. N. Y. Sta. Mus., xxx, 243, 1878; NEUMOESEN & DYAR, C. 161. Rocky Mts.
 syn. *brucei* FRENCH.
 4144. **populi** WALKER, Cat. Brit. Mus., vii, 1515, 1856; NEUMOESEN & DYAR, C. 162. Can., Nev., Pac. States.
 syn. *angrezi* BAILEY.
a. ore STRECKER, Proc. Acad. Nat. Sci. Phil., 282, 1893; NEUMOESEN & DYAR, C. 162.
 *4145. **perplexus** NEUMOESEN & DYAR, Jn. N. Y. Ent. Soc., i, 31, 1893. Col.
 *4146. **mucidus** HY. EDWARDS, Pap., ii, 126, 1882; NEUMOESEN & DYAR, C. 162. Ariz.

PRIONOXYSTUS Grote.

GROTE, Check List, 63, 1882; NEUMOESEN & DYAR, C. 163.

4147. **robiniae** PECK, Mass. Agr. Rept., v, 67, 1818; NEUMOESEN & DYAR, C. 163. U. S.
 syn. *plagiatus* WALKER, *crepera* GROTE, *reticulatus* LINTNER, *zaboliensis* STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898.
a. quercus EHRMAN, Can. Ent., xxv, 257, 1893.

4148. **macmurtrei** GUÉRIN-MÉNEVILLE, Icon. Règ. An. Ins., pl. 85, f. 2, 1829; NEUMOEGEN & DYAR, C. 163. Atl. States.
 syn. *querciperda* FITCH.

INGUROMORPHA Hy. Edwards.

HY. EDWARDS, Ent. Amer., iii, 182, 1887.

4149. **basalis** WALKER, Cat. Brit. Mus., vii, 1523, 1856; NEUMOEGEN & DYAR, C. 163. Fla., Mex.
 syn. *slossoni* HY. EDWARDS.
4150. **arbeloides** DYAR, Ent. News, x, 129, 1899. Ariz.

COSSULA Bailey.

BAILEY, Pap., ii, 93, 1882; NEUMOEGEN & DYAR, C. 163.

4151. **magnifica** STRECKER, Proc. Acad. Nat. Sci. Phil., 151, 1876; NEUMOEGEN & DYAR, C. 163. Fla., Mex.
 syn. *magnifica* BAILEY, *norax* DRUCE, Biol. Cent. Am., Lep. Het., ii, 450, pl. 89, f. 6, 1891.

HYPOPTA Hübner.

HÜBNER, Verz. bek. Schmett., 195, 1822; NEUMOEGEN & DYAR, C. 164.

4152. **manfredi** NEUMOEGEN, Pap., iii, 139, 1884. Ariz., N. Mex.
4153. **theodori** DYAR, Cat. Ent., xxv, 220, 1893. Ariz., N. Mex.
4154. **bertholdi** GROTE, Bull. Brook. Ent. Soc., iii, 45, 1880; RIVERS & DYAR, Psyche, viii, 10, 1897. Col., Cal.
- *4155. **ethela** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 32, 1893. Col.
4156. **henrici** GROTE, Pap., ii, 131, 1882. Ariz., N. Mex.
- *4157. **cornelia** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 32, 1893. Col.
- *4158. **edwardi** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 32, 1893. Col.
- *4159. **nanus** STRECKER, Proc. Acad. Nat. Sci. Phil., 151, 1876; NEUMOEGEN & DYAR, C. 166. Col.
4160. **anna** DYAR, Ent. News, ix, 214, 1898. Fla.
- *4161. **itzalana** STRECKER, Lep. Rhop. Het., suppl. 3, 30, 1900. Ariz.

*4185. **seminole** NEUMOEGEN, Ent. News, v, 330, 1894; Fla.
BEUTENMÜLLER, C. 253.

*4186. **admirandus** HY. EDWARDS, Pap., ii, 54, 1882; BEU- Tex.
TENMÜLLER, C. 254.

PALMIA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 123, 1896; C. 254.

*4187. **præcedens** HY. EDWARDS, Pap., iii, 155, 1883; N. C.
BEUTENMÜLLER, C. 255.

ÆGERIA Fabricius.

FABRICIUS, Ill. Mag., vi, 288, 1807; BEUTENMÜLLER, C. 255.

4188. **apiformis** CLERCK, Icon., pl. 4, f. 2, 1759; BEU- No. U. S.,
TENMÜLLER, C. 256. Eur.

syn. *vespiformis* HUFNAGEL, *crabroniformis*
DENIS & SCHIFFERMÜLLER.

*4189. **pacifica** HY. EDWARDS, Pap., i, 180, 1881; BEU- Pac. States,
TENMÜLLER, C. 259. Mont.

4190. **tibialis** HARRIS, Am. Jn. Arts & Sci., xxxvi, 306, No.
1839; BEUTENMÜLLER, C. 259. U. S.

syn. *flavitibia* WALKER, *minimum* NEUMOEGEN.

BEMBECIA Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 260.

4191. **marginata** HARRIS, Am. Jn. Arts & Sci., xxxvi, No.
309, 1839; BEUTENMÜLLER, C. 260. U. S.

syn. *pleciæformis* WALKER, *odyn-eripennis*
WALKER, *rubi* RILEY, *flavipes* HULST.

a. **albicoma** HULST, Bull. Brook. Ent. Soc., vi, 8,
1883.

VESPAMIMA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 87, 1894; C. 262.

4192. **sequoiæ** HY. EDWARDS, Pap., i, 181, 1881; BEU- Cal.,
TENMÜLLER, C. 263. Wash.

syn. *pinorum* BEHRENS.

PARHAMONIA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 124, 1896; C. 264.

4193. **pini** KELLICOTT, Can. Ent., xiii, 5, 1881; BEU- No. Atl.
TENMÜLLER, C. 264. States.

SANNINOIDEA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 126, 1896; C. 265.

4194. **exitiosa** SAY, Jn. Acad. Nat. Sci. Phil., iii, 216, 1823; BEUTENMÜLLER, C. 266. Atl.
States.
 syn. *persica* THOMAS, *pepsidiformis* HÜBNER,
 riphiæformis BOISDUVAL.
 a. fitchii HY. EDWARDS, Pap., ii, 55, 1882.
 b. edwardsii BEUTENMÜLLER, Bull. Am. Mus. Nat.
 Hist., xii, 160, 1899.
 c. luminosa NEUMOEGEN, Ent. News, v, 331, 1894.
4195. **opalescens** HY. EDWARDS, Pap., i, 199, 1881; Pac.
States.
 BEUTENMÜLLER, C. 271.
 syn. *pacifica* RILEY.
4196. **græfli** HY. EDWARDS, Pap., i, 183, 1881; BEU- Col., Nev.,
Wash.
 TENMÜLLER, C. 271.
 a. barnesii BEUTENMÜLLER, C. 272, 1901.

ALBUNA Hy. Edwards.

HY. EDWARDS, Pap., i, 186, 1881; BEUTENMÜLLER, C. 272.

4197. **pyramidalis** WALKER, Cat. Brit. Mus., viii, 40, U. S.
 1856; BEUTENMÜLLER, C. 273.
 syn. *hylotomiformis* WALKER, *vancouverensis*
 HY. EDWARDS.
 a. montana HY. EDWARDS, Pap., i, 188, 1881.
 syn. *tanacetii* HY. EDWARDS.
 b. rubescens HULST, Bull. Brook. Ent. Soc., iii,
 76, 1881.
 c. coloradensis HY. EDWARDS, Pap., i, 189, 1881.
 syn. *torva* HY. EDWARDS.
4198. **fraxini** HY. EDWARDS, Pap., i, 185, 1881; BEU- Wash.
 TENMÜLLER, C. 275.
 syn. *morrisonii* HY. EDWARDS.

SESIA Fabricius.

FABRICIUS, Syst. Ent., 549, 1775; BEUTENMÜLLER, C. 275.

4199. **mellinipennis** BOISDUVAL, Spec. Gén., ii, pl. 14, Cal.,
Col.
 f. 12, 1836; BEUTENMÜLLER, C. 279.
 syn. *resplendens* HY. EDWARDS, *artemisiæ* HY.
 EDWARDS, *senecioides* HY. EDWARDS.
- *4200. **gilix** HY. EDWARDS, Pap., i, 200, 1881; BEU- Rocky
Mts.
 TENMÜLLER, C. 279.
 syn. *vitrina* NEUMOEGEN, *deceptiva* BEUTEN-
 MÜLLER.

4201. **rileyana** HY. EDWARDS, Pap., i, 187, 1881; BEUTENMÜLLER, C. 280. Atl. & Pac. States, Mont.
 syn. *brunneipennis* HY. EDWARDS, *hyperici* HY. EDWARDS.
- *4202. **mimuli** HY. EDWARDS, Pap., i, 200, 1881; BEUTENMÜLLER, C. 281. Col.
4203. **rutilans** HY. EDWARDS, Pap., i, 186, 1881; BEUTENMÜLLER, C. 281. U. S.
 syn. *aureola* HY. EDWARDS, *hemizonæ* HY. EDWARDS, *lupini* HY. EDWARDS, *perplexa* HY. EDWARDS, *impropria* HY. EDWARDS, *washingtonia* HY. EDWARDS, *madariæ* HY. EDWARDS.
4204. **arctica** BEUTENMÜLLER, Can. Ent., xxxii, 277, 1900; C. 283. Alaska.
- *4205. **neglecta** HY. EDWARDS, Pap., i, 197, 1881; BEUTENMÜLLER, C. 283. Cal., Wash.
- *4206. **refulgens** HY. EDWARDS, Pap., i, 199, 1881; BEUTENMÜLLER, C. 283. Ga.
4207. **bassiformis** WALKER, Cat. Brit. Mus., viii, 39, 1856; BEUTENMÜLLER, C. 284. Atl. States, Col.
 syn. *lustrans* GROTE, *consimilis* HY. EDWARDS, *bollii* HY. EDWARDS, *eupatorii* HY. EDWARDS, *sexfasciata* HY. EDWARDS, *infirma* HY. EDWARDS, *imitata* HY. EDWARDS.
4208. **tipuliformis** CLERCK, Icones, pl. 4, f. 1, 1759; BEUTENMÜLLER, C. 285. U. S., Eur., etc.
4209. **arizonæ** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vi, 240, 1898; C. 288. Tex., Ariz.
- *4210. **morula** HY. EDWARDS, Pap., i, 196, 1881; BEUTENMÜLLER, C. 288. Tex.
- *4211. **novaroensis** HY. EDWARDS, Pap., i, 199, 1881; BEUTENMÜLLER, C. 289. Cal., Wash.
- *4212. **rubrofascia** HY. EDWARDS, Pap., i, 191, 1881; BEUTENMÜLLER, C. 289. Ga.
- *4213. **bolteri** HY. EDWARDS, Pap., iii, 155, 1883; BEUTENMÜLLER, C. 290. Atl. States.
- *4214. **fulvipes** HARRIS, Am. Jn. Arts & Sci., xxxvi, 312, 1839; BEUTENMÜLLER, C. 290. No. Atl. States.
- *4215. **saxifragæ** HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 291. Lab., Col.
 syn. *henshawii* HY. EDWARDS.

4216. **pictipes** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 182, 1868; BEUTENMÜLLER, C. 291.
syn. *inuitata* HY. EDWARDS. U. S.
4217. **albicornis** HY. EDWARDS, Pap., i, 201, 1881; BEUTENMÜLLER, C. 292.
syn. *proxima* HY. EDWARDS, *modesta* KELLICOTT, BEUTENMÜLLER, C. 344. U. S.
- *4218. **americana** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 136, 1896; C. 293. Nev., B. C.
4219. **culiciformis** LINNÆUS, Syst. Nat., 493, 1758; BEUTENMÜLLER, C. 294. Alaska, Eur.
- *4220. **tepperi** HY. EDWARDS, Pap., i, 203, 1881; BEUTENMÜLLER, C. 294. Ga.
4221. **acerni** CLEMENS, Proc. Acad. Nat. Sci. Phil., 14, 1860; BEUTENMÜLLER, C. 294.
syn. *acericolum* GERMAR. Atl. States.
4222. **corni** HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 296. Atl. States.
- *4223. **aureopurpurea** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 72, 1880; BEUTENMÜLLER, C. 296. Tex.
4224. **pyri** HARRIS, N. E. Farmer, ix, 2, 1830; BEUTENMÜLLER, C. 297.
syn. *koebelei* HY. EDWARDS. Atl. States.
4225. **scitula** HARRIS, Am. Jn. Arts & Sci., xxxvi, 313, 1839; BEUTENMÜLLER, C. 298.
syn. *gallivorum* WESTWOOD, *hospes* WALSH, *æmula* HY. EDWARDS. Atl. States.
- *4226. **ithacæ** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., ix, 215, 1897; C. 299. N. Y.
4227. **corusca** HY. EDWARDS, Pap., i, 193, 1881; BEUTENMÜLLER, C. 299. Tex.
4228. **decipiens** HY. EDWARDS, Pap., i, 197, 1881; BEUTENMÜLLER, C. 300.
syn. *imperfecta* HY. EDWARDS, *nicotianæ* HY. EDWARDS. Col., Tex.
4229. **rubristigma** KELLICOTT, Can. Ent., xxiv, 211, 1892; BEUTENMÜLLER, C. 301. Atl. States.
4230. **querci** HY. EDWARDS, Pap., ii, 98, 1882; BEUTENMÜLLER, C. 301.
syn. *quercus* HY. EDWARDS. Ariz.
- *4231. **prosopis** HY. EDWARDS, Pap., ii, 99, 1882; BEUTENMÜLLER, C. 302. Ariz.

- *4232. **tecta** HY. EDWARDS, Pap., ii, 56, 1882; BEUTENMÜLLER, C. 302. Ariz.
- *4233. **candescens** HY. EDWARDS, Pap., ii, 123, 1882; BEUTENMÜLLER, C. 303. Ariz.
- *4234. **sigmoidea** HY. EDWARDS, Pap., ii, 56, 1882; BEUTENMÜLLER, C. 303. N. H., Mass.
4235. **tacoma** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vi, 240, 1898; C. 304. Wyo., Wash.
- *4236. **texana** HY. EDWARDS, Pap., i, 204, 1881; BEUTENMÜLLER, C. 304. Fla., Tex.
syn. *wittfeldii* HY. EDWARDS.
4237. **seminole** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., viii, 255, 1899; C. 305. Fla.
- *4238. **palmii** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., x, 126, 1902. Ariz.
- *4239. **marcia** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vii, 254, 1889; C. 305. Fla.
4240. **præstans** HY. EDWARDS, Pap., ii, 98, 1882; BEUTENMÜLLER, C. 306. Wash.
4241. **fragariæ** HY. EDWARDS, Pap., i, 202, 1881; BEUTENMÜLLER, C. 307. Rocky Mts.
syn. *orthocarpi* HY. EDWARDS.
- *4242. **behrensii** HY. EDWARDS, Pap., ii, 123, 1882; BEUTENMÜLLER, C. 307. Cal.
syn. *elda* HY. EDWARDS, *helianthi* HY. EDWARDS.
- *4243. **mariona** BEUTENMÜLLER, C. 308, 1901. Col.
4244. **polygoni** HY. EDWARDS, Pap., i, 202, 1881; BEUTENMÜLLER, C. 308. Cal.
- *4245. **achillæ** HY. EDWARDS, Pap., i, 203, 1881; BEUTENMÜLLER, C. 308. Cal.
syn. *eremocarpi* HY. EDWARDS.
- *4246. **floridensis** GROTE, Can. Ent., vii, 174, 1875; BEUTENMÜLLER, C. 309. Fla.
4247. **geliformis** WALKER, Cat. Brit. Mus., viii, 46, 1856; BEUTENMÜLLER, C. 309. Fla., Antilles.
4248. **sapygæformis** WALKER, Cat. Brit. Mus., viii, 45, 1856; BEUTENMÜLLER, C. 310. Fla.
4249. **animosa** HY. EDWARDS, Pap., iii, 156, 1883; BEUTENMÜLLER, C. 310. Ariz.
- *4250. **pyralidiformis** WALKER, Cat. Brit. Mus., viii, 44, 1856; BEUTENMÜLLER, C. 310. Atl. States.
syn. *nigella* HULST.

- *4251. **sanborni** HY. EDWARDS, Pap., i, 185, 1881; BEUTENMÜLLER, C. 311. Mass.
4252. **ruficornis** HY. EDWARDS, Pap., i, 184, 1881; BEUTENMÜLLER, C. 311. So. States.
- *4253. **subærea** HY. EDWARDS, Pap., iii, 156, 1883; BEUTENMÜLLER, C. 312. Ariz.
- *4254. **nigra** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 95, 1894; C. 312. Col., Utah.
- *4255. **verecunda** HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 312. Col.
- *4256. **edwardsii** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 92, 1894; C. 313. Col.

CALESESIA Beutenmüller.

BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vii, 256, 1899; C. 314.

4257. **coccinea** BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vi, 241, 1898; C. 314. N. Mex.

PARANTHRENE Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 314.

- *4258. **maculipes** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 184, 1868; BEUTENMÜLLER, C. 315. Tex.
- *4259. **heucheræ** HY. EDWARDS, Pap., i, 205, 1881; BEUTENMÜLLER, C. 315. Cal., Tex.
syn. *potentillæ* HY. EDWARDS.
4260. **palmii** NEUMOEGEN, Ent. News, ii, 108, 1891; BEUTENMÜLLER, C. 316. Ariz.
4261. **canescens** HY. EDWARDS, Pap., i, 205, 1881; BEUTENMÜLLER, C. 316. Kans., Col.
- *4262. **mexicanus** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., ix, 216, 1897; C. 316. N. Mex.

Family PYRALIDÆ.

Subfamily PYRAUSTINÆ

By C. H. FERNALD.

GLAPHRIA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 29, 1823; DRUCE, Biol. Cent. Am., Lep. Het., ii, 267, 1895; *Homophysa* GUENÉE, Spec. Gén., viii, 364, 1854; LEDERER, Wien. ent. Mon., vii, 454, 1863; HAMPSON, Proc. Zool. Soc. Lond., 607, 1898.

4263. **glaphyralis** GUENÉE, Spec. Gén., viii, 366, 1854. No. Atl. States.
syn. *stipatalis* WALKER, Cat. Brit. Mus., xxxiv, 1460, 1865; *albolineata* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 28, 1867.

4264. *sesquialis* HÜBNER, Zutr. exot. Schm., ii, 29, 1823. Mo., Kans., Tex.
 syn. *dimotalis* WALKER, Cat. Brit. Mus., xxxiv, 1346, 1865.
- *4265. *invisalis* GUENÉE, Spec. Gén., viii, 361, 1854. So. States, So. Am.
 syn. *lentiflualis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 525, 1872.
- *4266. *psychicalis* HULST, Tr. Am. Ent. Soc., xiii, 149, 1886. Atl. States.
4267. *reluctalis* HULST, Tr. Am. Ent. Soc., xiii, 156, 1886. Ariz.
4268. *fulminalis* LEDERER, Wien. ent. Mon., vii, 487, 1863. Atl. States.
- *4269. *peremptalis* GROTE, Can. Ent., x, 28, 1878. Mass.

SCYBALISTA Lederer.

LEDERER, Wien. ent. Mon., vii, 455, 1863; HAMPSON, Proc. Zool. Soc. Lond., 608, 1898; *Eupoca* WARREN, Ann Mag. Nat. Hist., (6), viii, 63, 1891.

- *4270. *restionalis* LEDERER, Wien. ent. Mon., vii, 455, 1863. U. S., So. Am.

SYMPHYSA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 609, 1898.

- *4271. *reniculalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 526, 1872. Mo., Tex.
4272. *eripalis* GROTE, Can. Ent., x, 29, 1878. Iowa, Tex., Oreg., Cal.
 syn. *salutalis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886.

LIPOCOSMA Lederer.

LEDERER, Wien. ent. Mon., vii, 448, 1863.

4273. *sicalis* WALKER, Cat. Brit. Mus., xix, 942, 1859. Atl. States.
 syn. *perfusalis* WALKER, Cat. Brit. Mus., xxxiv, 1226, 1865.
- *4274. *fuliginosalis* FERNALD, Ent. Am., iv, 37, 1888. Atl. States.

HYMENIA Hübner.

HÜBNER, Verz. bek. Schmett., 360, 1826; MEYRICK, Tr. Ent. Soc. Lond., 441, 1890; *Zinckenia* ZELLER, Lep. Caffr., 55, 1852; HAMPSON, Proc. Zool. Soc. Lond., 623, 1898; *Spoladea* GUENÉE, Spec. Gén., viii, 224, 1854.

4275. *perspectalis* HÜBNER, Schm. Eur., Pyr., f. 101, 1796; GUENÉE, Spec. Gén., viii, 226, 1854. U. S., So. Am., So. Afr., Austr.
 syn. *animalis* GUENÉE, Spec. Gén., viii, 226, 1854; *exportalis* GUENÉE, Spec. Gén., viii, 227, 1854; *primordialis* ZELLER, Lep. Caffr., 56, 1852; *rhinthomalis* WALKER, Cat. Brit. Mus., xix, 932, 1859; *phrasiusalis* WALKER, Cat. Brit. Mus., xix, 944, 1859.

4276. *fascialis* CRAMER, Pap. Exot., iv, 236, 1782. U. S., So. Am.,
 syn. *angustalis* FABRICIUS, Mant. Ins., ii, 222, So. Eur.,
 1787; *recurvalis* FABRICIUS, Ent. Syst., iii, So. Afr.,
 2, 237, 1794; *diffascialis* HÜBNER, Verz. bek. Austr.
 Schmett., 361, 1826; *albifascialis* BOISDU-
 VAL, Faun. Ent. Mad., 119, 1834.

DESMIA Westwood.

WESTWOOD, Mag. Zool., ix, 1832; GUENÉE, Spec. Gén., viii, 188, 1854; CLEMENS, Proc.
 Acad. Nat. Sci. Phil., 215, 1860; LEDERER, Wien. ent. Mon., vii, 433, 1863.

4277. *funeralis* HÜBNER, Schm. Eur., Pyr., f. 103, Atl.
 1796. States.
 syn. *maculalis* WESTWOOD, Mag. Zool., ix, pl.
 2, 1832; CLEMENS, Proc. Acad. Nat. Sci.
 Phil., 215, 1860.
a. subdivisalis GROTE, Can. Ent., iii, 126, 1871.
4278. *tages* CRAMER, Pap. Exot., ii, 2, 1777; DYAR, Fla., W. I.,
 Journ. N. Y. Ent. Soc., ix, 22, 1901. So. Am.
 syn. *tagesalis* GUENÉE, Spec. Gén., viii, 291,
 1854; *propinquialis* MÖSCHLER, Verh. zool.-
 bot. Ges. Wien, xxxi, 430, 1881.

SYNCLERA Lederer.

LEDERER, Wien. ent. Mon., vii, 444, 1863; MOORE, Lep. Cey., iii, 315, 1866.

4279. *traducalis* ZELLER, Lep. Caffr., 54, 1852; MOORE, Fla., W. I.,
 Lep. Cey., iii, 316, 1866. So. Am.,
 syn. *retinalis* LEDERER, Wien. ent. Mon., i, So. Afr.,
 100, 1857; *jarbusalis* WALKER, Cat. Brit. So. Asia.
 Mus., xvii, 352, 1859; *univocalis* WALKER,
 Cat. Brit. Mus., xvii, 499, 1859; *coitalis*
 WALKER, Cat. Brit. Mus., xix, 964, 1859;
chlorophasma BUTLER, Proc. Zool. Soc.
 Lond., 493, 1878.

ERCTA Walker.

WALKER, Cat. Brit. Mus., xvii, 425, 1859; HAMPSON, Proc. Zool. Soc. Lond., 636,
 1898; *Spanista* LEDERER (not FÖRSTER), Wien. ent. Mon., vii, 445, 1863; *Hydriris*
 MEYRICK, Tr. Ent. Soc. Lond., 443, 1885.

- *4280. *ornatalis* DUPONCHEL, Hist. Nat. Lép. Fr., viii, Fla., W. I.,
 2, 207, 1831. So. Am.,
 syn. *saturnalis* TREITSCHKE, Schm. Eur., x, So. Eur.,
 3, 29, 1835; *deciusalis* WALKER, Cat. Brit. So. Afr.,
 Mus., xix, 905, 1859; *invenustalis* WALKER, Austr.
 Cat. Brit. Mus., xxxiv, 1431, 1865; *fraterna*
 BUTLER, Ann. Mag. Nat. Hist., (4), xvi,
 415, 1875.

MARASMIA Lederer.

LEDERER, Wien. ent. Mon., vii, 385, 1863; HAMPSON, Proc. Zool. Soc. Lond., 665, 1898; *Dolichosticta* MEYRICK, Tr. Ent. Soc. Lond., 304, 1884; *Eponima* MEYRICK, Tr. Ent. Soc. Lond., 235, 1886; *Lasiocampa* WARREN, Ann. Mag. Nat. Hist., (6), xvi, 176, 1896.

- *4281. *cochrusalis* WALKER, Cat. Brit. Mus., xix, 959, 1859. Fla., W. I.,
So. Am.

syn. *azionalis* WALKER, Cat. Brit. Mus., xix, 985, 1859; *euptalis* WALKER, Cat. Brit. Mus., xxxiv, 1391, 1865.

4282. *trapezalis* GUENÉE, Spec. Gén., viii, 200, 1854. Fla., Tex.,
W. I.,
So. Am.,
So. Afr.,
So. Asia.
syn. *creonalis* WALKER, Cat. Brit. Mus., xviii, 579, 1859; *neoclesalis* WALKER, Cat. Brit. Mus., xviii, 635, 1859; *suspicialis* WALKER, Cat. Brit. Mus., xviii, 667, 1859; *connectalis* WALKER, Cat. Brit. Mus., xxxiv, 141, 1865; *bifurcalis* SNELLEN, Tijds. v. Ent., 219, 1880.

4283. *floridalis* FERNALD, Journ. N. Y. Ent. Soc., ix, 49, 1901. Fla.

ANANIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 27, 1823; *Syngamia* GUENÉE, Spec. Gén., viii, 187, 1854; LEDERER, Wien. ent. Mon., vii, 434, 1863.

4284. *florella* CRAMER, Pap. Exot., iv, pl. 348, f. L. 1781. Fla., W. I.,
So. Am.

SAMEA Guenée.

GUENÉE, Spec. Gén., viii, 193, 1854; LEDERER, Wien. ent. Mon., vii, 379, 1863; HAMPSON, Proc. Zool. Soc. Lond., 647, 1898.

4285. *ecclesiastis* GUENÉE, Spec. Gén., viii, 194, 1854. Fla., W. I.,
So. Am.
syn. *castellalis* GUENÉE, Spec. Gén., viii, 195, 1854; *lucusalis* WALKER, Cat. Brit. Mus., xix, 937, 1859; *disertalis* WALKER, Cat. Brit. Mus., xxxiv, 1302, 1865.

- *4286. *multiplicalis* GUENÉE, Spec. Gén., viii, 227, 1854. Fla., W. I.,
So. Am.
syn. *discessalis* WALKER, Cat. Brit. Mus., xxxiv, 1302, 1865; *nicæusalis* WALKER, Cat. Brit. Mus., xvii, 464, 1859.

DIASTICTIS Hübner.

HÜBNER, Zutr. exot. Schmett., i, 21, 1818; *Bucchoris* MOORE, Lep. Cey., iii, 271, 1886; HAMPSON, Proc. Zool. Soc. Lond., 649, 1898.

4287. *argyralis* HÜBNER, Zutr. exot. Schmett., i, 21, fig. 113, 1818. Atl.
States.

a. *ventralis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 21, 1867.

4288. *fracturalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 509, 1872. Tex.,
Ariz.

- *4289. *cæcalis* WARREN, Ann. Mag. Nat. Hist., (6), ix, 434, 1892. Cal.
- *4290. *talis* GROTE, Can. Ent., x, 26, 1878. Ala.

PILOCROCIS Lederer.

LEDERER, Wien. ent. Mon., 430, 1863; HAMPSON, Proc. Zool. Soc. Lond., 655, 1898; *Ceratoclasia* LEDERER, Wien. ent. Mon., vii, 430, 1863.

4291. *ramentalis* LEDERER, Wien. ent. Mon., vii, 430, 1863. N. Y., Fla., So. Am.
syn. *perfuscalis* HULST, Tr. Am. Ent. Soc., xiii, 159, 1886.
- *4292. *tripunctata* FABRICIUS, Ent. Syst., iii, 2, 217, 1794. Fla., Tex., W. I.
syn. *campalis* GUENÉE, Spec. Gén., viii, 345, 1854; *cubanalís* GUENÉE, Spec. Gén., viii, 345, 1854; *memmialis* WALKER, Cat. Brit. Mus., xviii, 731, 1859.
- *4393. *plumbicostalis* GROTE, Can. Ent., iii, 103, 1871. Ala., Fla.
4294. *inguinalis* GUENÉE, Spec. Gén., viii, 346, 1854. Ala., Fla., So. Am.
syn. *thoasalis* WALKER, Cat. Brit. Mus., xviii, 610, 1859; *anticostalis* GROTE, Can. Ent., iii, 104, 1871; *levalis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1896.
- *4295. *tristigmalis* HAMPSON, Proc. Zool. Soc. Lond., 659, 1898. Fla.

CONCHYLODES Guenée.

GUENÉE, Spec. Gén., viii, 288, 1854; LEDERER, Wien. ent. Mon., vii, 442, 1863; HAMPSON, Proc. Zool. Soc. Lond., 674, 1898; *Ledereria* SNELLEN, Tijds. v. Ent., 256, 1875.

- *4296. *diphtheralis* GEYER, Zutr. exot. Schmett., iv, 24, f. 691, 1832. Fla., Tex., W. I.
4297. *platinalis* GUENÉE, Spec. Gén., viii, 282, 1854. So. Atl. States, W. I., So. Am.
syn. *ovulalis* GUENÉE, Spec. Gén., viii, 283, 1854; *erinalis* WALKER, Cat. Brit. Mus., xvii, 474, 1859; *magicalis* FELDER, Reise Nov., pl. 135, f. 6, 1874; *concinna* HAMPSON, Proc. Zool. Soc. Lond., 675, 1898.

DICHOGAMA Lederer.

LEDERER, Wien. ent. Mon., vii, 396, 1863; HAMPSON, Proc. Zool. Soc. Lond., 676, 1898; *Carbacha* WALKER, Cat. Brit. Mus., xxiv, 1379, 1865; *Pleurasymphiza* MÖSCHLER, Abh. Senck. Ges., 146, 1890.

4297. 1. *redtenbacheri* LEDERER, Wien. ent. Mon., vii, 396, 1863; DYAR, Can. Ent., xxii, 271, 1900. Fla., W. I.

4297. 2. *amabilis* MÖSCHLER, Abh. Senck. Ges., 296, 1890; DYAR, Jn. N. Y. Ent. Soc., ix, 20, 1901. Fla., W. I.
4297. 3. *bergii* MÖSCHLER, Abh. Senck. Ges., 297, 1890; DYAR, Jn. N. Y. Ent. Soc., ix, 21, 1901. Fla., W. I.

LAMPROSEMA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 21, 1823.

- *4298. *lunulalis* HÜBNER, Zutr. exot. Schmett., ii, 21, 1823; GUENÉE, Spec. Gén., viii, 205, 1854. Tex., N. Mex.

HEDYLEPTA Lederer.

LEDERER, Wien. ent. Mon., vii, 409, 1863.

- *4299. *indicata* FABRICIUS, Syst. Ent., 640, 1775. Fla., W. I.,
 syn. *vulgalis* GUENÉE, Spec. Gén., viii, 202, So. Am.,
 1854; *sabalis* WALKER, Cat. Brit. Mus., So. Africa,
 xviii, 631, 1859; *mæliusalis* WALKER, Cat. So. Asia.
 Brit. Mus., xviii, 703, 1859; *connexalis*
 WALKER, Cat. Brit. Mus., xxxiv, 1394,
 1865; *reductalis* WALKER, Cat. Brit. Mus.,
 xxxiv, 1412, 1865.

BLEPHAROMASTIX Lederer.

LEDERER, Wien. ent. Mon., vii, 422, 1863.

4300. *ebulealis* GUENÉE, Spec. Gén., viii, 196, 1854. Fla., W. I.
4301. *aplicalis* GUENÉE, Spec. Gén., viii, 229, 1854. Tex., W. I.
 syn. *xeniolalis* HULST, Trans. Am. Ent. Soc.,
 xiii, 159, 1886.
4302. *ranalis* GUENÉE, Spec. Gén., viii, 243, 1854. U. S., W. I.,
 syn. *archasialis* WALKER, Cat. Brit. Mus., So. Am.
 xvii, 365, 1859; *ofellusalis* WALKER, Cat.
 Brit. Mus., xviii, 732, 1859; *olliusalis*
 WALKER, Cat. Brit. Mus., xix, 982, 1859;
strictalis WALKER, Cat. Brit. Mus., xxxiv,
 1392, 1865; *gracilis* GROTE & ROBINSON,
 Trans. Am. Ent. Soc., i, 25, 1867; *datisalis*
 DRUCE, Biol. Cent. Am., Lep. Het., ii, 269,
 1895.
4303. *magnalis* GUENÉE, Spec. Gén., viii, 230, pl. ix, Fla., Tex.,
 f. 6, 1854. W. I.
 syn. *medealis* WALKER, Cat. Brit. Mus., xvii,
 353, 1859; *belusalis* WALKER, Cat. Brit.
 Mus., xviii, 582, 1859; *curtalis* WALKER,
 Cat. Brit. Mus., xxxiv, 1305, 1865.

4304. **stenialis** GUENÉE, Spec. Gén., viii, 231, 1854. So. Atl.
 syn. *acestealis* WALKER, Cat. Brit. Mus., xvii, States,
 352, 1859; *phærusalis* WALKER, Cat. Brit. W. I., Mex.,
 Mus., xvii, 368, 1859; *sagralis* DRUCE, Biol. So. Am.
 Cent. Am., Lep. Het., ii, 270, 1895.

ASCIODES Guenée.

GUENÉE, Spec. Gén., viii, 374, 1854.

4305. **gordialis** GUENÉE, Spec. Gén., viii, 374, 1854; Fla., W. I.,
 DYAR, Journ. N. Y. Ent. Soc., ix, 20, 1901. So. Am.
 syn. *quietalis* WALKER, Cat. Brit. Mus., xix,
 825, 1859; *confusalis* HULST, Trans. Am.
 Ent. Soc., xiii, 158, 1886.
4306. **anormalis** GUENÉE, Spec. Gén., viii, 352, 1854; Fla., W. I.,
 DYAR, Journ. N. Y. Ent. Soc., ix, 20, 1901. So. Am.
 syn. *alvinalis* GUENÉE, Spec. Gén., viii, 352,
 1854; *helcitalis* WALKER, Cat. Brit. Mus.,
 xviii, 574, 1859; *orphnealis* WALKER, Cat.
 Brit. Mus., xviii, 736, 1859; *dracusalis*
 WALKER, Cat. Brit. Mus., xix, 983, 1859;
subæqualis WALKER, Cat. Brit. Mus., xxxiv,
 1394, 1865.

PANTOGRAPHIA Lederer.

LEDERER, Wien. ent. Mon., vii, 387, 1863.

4307. **limata** GROTE & ROBINSON, Ann. Lyc. Nat. Hist. Me., Mass.,
 N. Y., viii, 464, 1867; FERNALD, Can. Ent., xvi, Va., Minn.,
 26, 1884. Mex., So. Am.
 syn. *suffusalis* DRUCE, Biol. Cent. Am., Lep.
 Het., ii, 240, 1895.

SYLEPTA Hübner.

HÜBNER, Verz. bek. Schmett., 356, 1826.

- *4308. **penumbralis** GROTE, Can. Ent., ix, 106, 1877. Ohio, Fla.
4308. 1. **fluctuosalis** LEDERER, Wien. ent. Mon., vii, Fla.,
 473, 1863; DYAR, Proc. Ent. Soc. Wash., iv, 460, So. Am.
 1901.
4309. **obscuralis** LEDERER, Wien. ent. Mon., vii, 472, Fla.
 1863.
- *4310. **elevata** FABRICIUS, Ent. Syst., iii, 2, 216, 1794. Fla., W. I.,
 syn. *elevalis* GUENÉE, Spec. Gén., viii, 319, So. Am.
 1854.

LYGROPIA Lederer.

LEDERER, Wien. ent. Mon., vii, 381, 1863.

- *4311. *rivulalis* HAMPSON, Proc. Zool. Soc. Lond., 727, 1898. U. S.
- *4312. *chromalis* GUENÉE, Spec. Gén., viii, 204, 1854. Fla., So. Am.
syn. *principalis* LEDERER, Wien. ent. Mon., vii, 471, 1863.

AGATHODES Guenée.

GUENÉE, Spec. Gén., viii, 207, 1854; HAMPSON, Proc. Zool. Soc. Lond., 730, 1898;
Stenurges LEDERER, Wien. ent. Mon., vii, 416, 1863.

4313. *monstralis* GUENÉE, Spec. Gén., viii, 209, 1854. Fla., W. I.,
syn. *designalis* GUENÉE, Spec. Gén., viii, 209, 1854; *floridalis* HULST, Trans. Am. Ent. Soc., xiii, 156, 1886. Mex., So. Am.

PARADOSIS Zeller.

ZELLER, Lep. Caffr., 58, 1854.

4314. *flegia* CRAMER, Pap. Exot., ii, 66, 1777; DYAR, Fla., W. I.,
Can. Ent., xxxii, 117, 1900. So. Am.
syn. *flegialis* POEY, Cent. Lep. Cuba, Dec. i, 1832; *phantasmalis* GUENÉE, Spec. Gén., viii, 310, 1854; *villosalis* ZELLER, Lep. Caffr., 58, 1854.

DIAPHANIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 20, 1818; *Eudiotis* HÜBNER, Zutr. exot. Schmett., ii, 24, 1823; *Margaronia* HÜBNER, Verz. bek. Schmett., 358, 1826; *Phakellura* GUILDING, Phil. Mag., vii, 206, 1830; *Glyphodes* GUENÉE, Spec. Gén., viii, 292, 1854.

- *4315. *olealis* FELDER, Reise Nov., pl. 135, f. 35, 1874. Fla., So. Am.
4316. *nitidalis* STOLL, Pap. Exot., iv, 160, 1781; suppl., 110, 1790; GUENÉE, Spec. Gén., viii, 299, 1854; So. States,
RILEY, Mo. Rep., ii, 64, 1870; SAUNDERS, Ins. W. I.,
Inj. to Fruits, 367, 1889; LINTNER, N. Y. Rep., So. Am.
xi, 126, 1896; CHITTENDEN, Bull. no. 19, n. s.,
U. S. Dept. Ag., 41, 1899.
syn. *vitralis* HÜBNER, Zutr. exot. Schmett., 20, 1818; *fumosalis* GUENÉE, Spec. Gén., viii, 300, 1854; *praxialis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 231, 1895.

4317. *infimalis* GUENÉE, Spec. Gén., viii, 298, 1854; Fla.
DYAR, Jn. N. Y. Ent. Soc., ix, 20, 1901.

- *4318. *arguta* LEDERER, Wien. ent. Mon., vii, 478, No. Am.,?
1863. So. Am.

4319. *niveocilia* HAMPSON, Proc. Zool. Soc. Lond., 728, Fla., W. I.,
1898. So. Am.

4320. *hyalinata* LINNÆUS, Syst. Nat., ed. 12, i, 874, 1767; FABRICIUS, Ent. Syst., iii, 2, 213, 1794; SAUNDERS, Can. Ent., xv, 56, 1883; ASHMEAD, Bull. 14, U. S. Dept. Ag., 26, 1887; SAUNDERS, Ins. Inj. to Fruits, 365, 1889; LINTNER, N. Y. Rep., xi, 134, 1896; COMSTOCK, Man., 231, 1895.
 syn. *marginalis* STOLL, Pap. Exot., iv, 160, 1781; *lucernalis* HÜBNER, Schm. Eur., Pyr., 20, pl. 17, f. 108, 1796; *hyalinatalis* GUENÉE, Spec. Gén., viii, 296, 1854; COMSTOCK, Rep. U. S. Dept. Ag., 218, 1879. U. S., Antilles, So. Am.
4321. *quadristigmalis* GUENÉE, Spec. Gén., viii, 304, 1854; RILEY, Ins. Life, i, 22, 1888. Atl. States, W. I., So. Am.
4322. *sibillalis* WALKER, Cat. Brit. Mus., xvii, 506, 1859; DYAR, Journ. N. Y. Ent. Soc., ix, 19, 1901. Fla., Tex., W. I., So. Am.
 syn. *batesi* FELDER, Reise Nov., pl. 135, f. 29, 1874; *alitalis* HULST, Trans. Am. Ent. Soc., xiii, 157, 1886.

METREA Grote.

GROTE, Pap., ii, 73, 1882; HAMPSON, Proc. Zool. Soc. Lond., 757, 1898.

4323. *ostreonalis* GROTE, Pap., ii, 73, 1882. Can., Me., Mass., Pa.
 syn. *urticaloides* FYLES, Can. Ent., xxvi, 184, 1894.

OMMATOSPILA Lederer.

LEDERER, Wien. ent. Mon., vii, 443, 1863; HAMPSON, Proc. Zool. Soc. Lond., 759, 1898; *Thelda* WALKER, Cat. Brit. Mus., xxxiv, 1221, 1865.

- *4324. *narcæusalis* WALKER, Cat. Brit. Mus., xix, 972, 1859. Tex., W. I., So. Am.
 syn. *nummulalis* LEDERER, Wien. ent. Mon., vii, 444, 1863.

HELLULA Guenée.

GUENÉE, Spec. Gén., viii, 415, 1854; LEDERER, Wien. ent. Mon., vii, 351, 1863; HEINEMANN, Kleinschm., i, 2, 44, 1865; HAMPSON, Proc. Zool. Soc. Lond., 760, 1898.

4325. *undalis* FABRICIUS, Ent. Syst., iii, 2, 226, 1794; HÜBNER, Schm. Eur., Pyr., 19, pl. 14, f. 93, 1796; TREITSCHKE, Schm. Eur., vii, 128, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 160, 1831; HEINEMANN, Kleinschm., i, 2, 45, 1865; HAMPSON, Proc. Zool. Soc. Lond., 760, 1898; CHITTENDEN, Bull. no. 19, n. ser., U. S. Dept. Agr., 54, 1899; Bull. no. 23, n. ser., U. S. Dept. Agr., 53, 1900. So. States, So. Eur., Africa, India.
 syn. *alconalis* WALKER, Cat. Brit. Mus., xix, 827, 1859; *exemptalis* WALKER, Cat. Brit. Mus., xxxiv, 1313, 1865; *rogatalis* HULST, Tr. Am. Ent. Soc., xiii, 149, 1886.

MIMORISTA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), vi, 476, 1890.

4326. *flavidissimalis* GROTE, Can. Ent., ix, 105, 1877. Tex.

TERASTIA Guenée.

GUENÉE, Spec. Gén., viii, 211, 1854; HAMPSON, Proc. Zool. Soc. Lond., 181, 1899.

4327. *meticulosalis* GUENÉE, Spec. Gén., viii, 212, 1854; Fla., W. I.,
DYAR, Jn. N. Y. ent. soc., ix, 21, 1901. Ceylon, Java,
P. I.
syn. *subjectalis* LEDERER, Wien. ent. Mon.,
vii, 480, 1863; *quadratalis* WALKER, Cat.
Brit. Mus., xxxiv, 1527, 1865; *cœligenalis*
HULST, Tr. Am. Ent. Soc., xiii, 156, 1886.

LANIIFERA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 184, 1899.

- *4328. *cyclades* DRUCE, Biol. Cent. Am., Lep. Het., ii, Ariz.,
220, 1895. Mex.

EVERGESTIS Hübner.

HÜBNER, Verz. bek. Schmett., 354, 1826; HAMPSON, Proc. Zool. Soc. Lond., 185, 1899;
Mesographe HÜBNER, Verz. bek. Schmett., 354, 1826; *Homochroa* HÜBNER, Verz. bek.
Schmett., 358, 1826; *Scopolia* HÜBNER, Verz. bek. Schmett., 368, 1826; *Orobena*
GUENÉE, Spec. Gén., viii, 376, 1854; *Parædis* GROTE, Check List, 51, 1882.

4329. *funalis* GROTE, Bull. U. S. Geol. Surv., iv, 670, N. Mex.,
1878; COCKERELL, Ent. News, x, 68, 1899. Cal.
- *4330. *obliqualis* GROTE, Ann. Mag. Nat. Hist., (5), xi, N. Mex.
56, 1883; Proc. Kans. Ac. Sci., viii, 56, 1883.
- *4331. *simulatilis* GROTE, No. Am. Ent., 94, 1880. Ariz., Col.
syn. *brunneogrisea* HY. EDWARDS, Ent. Am.,
ii, 171, 1886.
4332. *napæalis* HULST, Tr. Am. Ent. Soc., xiii, 145, Cal.
1886.
4333. *dyaralis* FERNALD, Jn. N. Y. Ent. Soc., ix, 49, Fla.,
1901; DYAR, Proc. Ent. Soc. Wash., iv, 460, 1901. So. Am.
4334. *rimosalis* GUENÉE, Spec. Gén., viii, 371, 1854; Va., Cal.,
THOMAS, Ill. Rep., iv, 37, 1880; RILEY, Rep. Wash.
U. S. Dep. Agr., 126, 1883.
4335. *extimalis* SCOPOLI, Ent. Carn., 241, 1763; MEY- Ariz.,
RICK, Handb. Brit. Lep., 424, 1895. N. Mex.
syn. *margaritalis* DENIS & SCHIFFERMÜLLER,
Syst. Verz. Wien, 123, 1776; *erucalis*
HÜBNER, Eur. Schm., Pyr., 28, pl. 9, f. 55,
1796; *consimilis* WARREN, Ann. Mag. Nat.
Hist., (6), ix, 433, 1892.

4336. *straminalis* HÜBNER, Vög. & Schm., 82, 1792; MEYRICK, Handb. Brit. Lep., 424, 1895. U. S., Eur.

syn. *elutalis* HÜBNER, Eur. Schm., Pyr., 26, pl. 10, f. 62, 1796; *stramentalis* HÜBNER, Verz. bek. Schmett., 354, 1826; TREITSCHKE, Schm. Eur., vii, 76, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 102, 1831; HEINEMANN, Kleinschm., i, 2, 95, 1865; *eunusalis* WALKER, Cat. Brit. Mus., xviii, 756, 1859.

CROCIDOPHORA Lederer.

LEDERER, Wien. ent. Mon., vii. 386, 1863.

4337. *serratissimalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 521, 1872. Atl. States.

syn. *subdentalis* GROTE, Bull. Buff. Soc., i, 173, 1873.

- *4338. *pustuliferalis* LEDERER, Wien. ent. Mon., vii, 477, 1863. Fla.

4339. *tuberculalis* LEDERER, Wien. ent. Mon., vii, 476, 1863. Va., Tex.

STENOPHYES Lederer.

LEDERER, Wien. ent. Mon., vii, 388, 1863.

4340. *hyronalis* GUENÉE, Spec. Gén., viii, 198, 1854. U.S., So. Am.

syn. *zinghalis* WALKER, Cat. Brit. Mus., xvii, 355, 1859; *serinalis* WALKER, Cat. Brit. Mus., xvii, 468, 1859.

POLYGRAMMODES Guenée.

GUENÉE, Spec. Gén., viii, 344, 1854; HAMPSON, Proc. Zool. Soc. Lond., 196, 1899.

- *4341. *hirtalis* GUENÉE, Spec. Gén., viii, 344, 1854. Tex., So. Am.

syn. *lybialis* WALKER, Cat. Brit. Mus., xviii, 624, 1859; *amatialis* WALKER, Cat. Brit. Mus., xviii, 625, 1859; *capitalis* GROTE, Bull. U. S. Geol. Surv., vi, 272, 1881.

NOMOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 368, 1826; MEYRICK, Handb. Brit. Lep., 410, 1895; HAMPSON, Proc. Zool. Soc. Lond., 201, 1899.

4342. *noctuella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 136, 1776; FELT, Can. Ent., xxv, 129, 1893; MEYRICK, Handb. Br. Lep., 410, 1895; HAMPSON, Proc. Zool. Soc. Lond., 201, 1899. U. S., Eur., Asia, So. Am.

syn. *hybridalis* HÜBNER, Schm. Eur., Pyr., 29, pl. 17, f. 114, 1796; *indistinctalis* WALKER, Cat. Brit. Mus., xxvii, 59, 1863; *helvolalis* MAASSEN, Stübel's Reise, 170, 1890.

PACHYZANCLA Meyrick.

MEYRICK, Tr. Ent. Soc. Lond., 315, 1884.

- *4343. *periusalis* WALKER, Cat. Brit. Mus., xviii, 623, 1859. U. S., Brazil.
4344. *bipunctalis* FABRICIUS, Ent. Syst., iii, 2, 232, 1794. Ga., Fla., W. I., So. Am., So. Afr.
- syn. *ægrotalis* ZELLER, Lep. Caffr., 38, 1852; *mutualis* ZELLER, Lep. Caffr., 40, 1852; *verminalis* GUENÉE, Spec. Gén., viii, 348, 1854; *detritalis* GUENÉE, Spec. Gén., viii, 347, 1854; *lycialis* WALKER, Cat. Brit. Mus., xviii, 572, 1859; *philealis* WALKER, Cat. Brit. Mus., xviii, 596, 1859; *repetitalis* GROTE, Rep. U. S. Dept. Agr., 270, 1880; HAMPSON, Proc. Zool. Soc. Lond., 204, 1899.

LOXOSTEGE Hübner.

HÜBNER, Verz. bek. Schmett., 352, 1826; MEYRICK, Tr. Ent. Soc. Lond., 452, 1890; Handb. Brit. Lep., 418, 1895; *Emmelia* GEYER, Zutr. exot. Schmett., v, 8, 1837; *Phlyctænodes* GUENÉE, Spec. Gén., viii, 173, 1854; HAMPSON, Proc. Zool. Soc. Lond., 207, 1899; *Spilodes* GUENÉE, Spec. Gén., viii, 379, 1854; *Dosara* WALKER, Cat. Brit. Mus., xix, 828, 1859; *Ephelis* LEDERER, Wien. ent. Mon., vii, 356, 1863; *Eurycreon* LEDERER, Wien. ent. Mon., vii, 376, 1863.

4345. *dasconalis* WALKER, Cat. Brit. Mus., xviii, 773, 1859. N. Y., Ill., Tex., Col.
- *4346. *coloradensis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 25, 1867. Tex., Col., Ariz.
- syn. *pergilvalis* HULST, Tr. Am. Ent. Soc., xiii, 151, 1886.
4347. *chortalis* GROTE, Bull. Buff. Soc., i, 89, 1873. Me. to Cal.
4348. *aureolalis* HULST, Tr. Am. Ent. Soc., xiii, 156, 1886. Col., Ariz., Mex
- syn. *cyralis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 204, 1895.
4349. *obliteralis* WALKER, Cat. Brit. Mus., xxxiv, 1392, 1865; CHITTENDEN, Bull. no. 27, n. ser., U. S. Dept. Agr., 102, 1901. Can., Mass., N. Y., Ill.
- syn. *marculenta* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 23, 1867.
- *4350. *mancalis* LEDERER, Wien. ent. Mon., vii, 464, 1863. Va., Fla., Mo.
- syn. *marculenta* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 507, 1872.
4351. *helvialis* WALKER, Cat. Brit. Mus., xviii, 772, 1859. Atl. States.
- syn. *thycesalis* WALKER, Cat. Brit. Mus., xix, 981, 1859; *apertalis* WALKER, Cat. Brit. Mus., xxxiv, 1393, 1865; *citrina* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 23, 1867.

- *4352. *bifidalis* FABRICIUS, Ent. Syst., iii, 2, 232, 1794. N. Mex.,
syn. *inornatalis* WALKER, Cat. Brit. Mus., W. I.,
xxxiv, 1456, 1865; *evanidalis* BERGSTRASSER, So. Am.
Deutsche ent. Zeits., xix, 134, 1875; *obsole-*
talis BERGSTRASSER, Deutsche ent. Zeits.,
xix, 135, 1875; *orbitalis* FELDER, Reise
Nov., pl. 134, f. 32, 1874.
4353. *flavalis* FERNALD, Ins. Life, vi, 255, 1894. Cal.
4354. *similalis* GUENÉE, Spec. Gén., viii, 405, 1854. U. S., So. Am.
syn. *crinialis* WALKER, Cat. Brit. Mus., xviii,
798, 1859; *siriusalis* WALKER, Cat. Brit.
Mus., xviii, 563, 1859; *diotimealis* WALKER,
Cat. Brit. Mus., xviii, 785, 1859; *crinitalis*
LEDERER, Wien. ent. Mon., vii, 376, 1863;
ZELLER, Verh. zool.-bot. Ges. Wien, 519,
1872; *communis* GROTE, Can. Ent., viii, 99,
1876.
a. rantalis GUENÉE, Spec. Gén., viii, 405, 1855;
ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 519,
1872; BERGSTRASSER, Deutsche ent. Zeits.,
xix, 132, 1875; SNOW, Psyche, iii, 127, 1880.
syn. *murcialis* WALKER, Cat. Brit. Mus., xviii,
746, 1859; *licealis* WALKER, Cat. Brit. Mus.,
xviii, 563, 1859; *nestusalis* WALKER, Cat.
Brit. Mus., xviii, 784, 1859; *thoonalis*
WALKER, Cat. Brit. Mus., xviii, 785, 1859;
intractella WALKER, Cat. Brit. Mus., xxvii,
55, 1863; *posticata* GROTE & ROBINSON,
Trans. Am. Ent. Soc., i, 22, 1867; *occidentalis*
PACKARD, Ann. Lyc. Nat. Hist. N. Y., x,
260, 1873.
4355. *allectalis* GROTE, Can. Ent., ix, 107, 1877. Tex.
syn. *perplexalis* FERNALD, Can. Ent., xvii,
57, 1885.
4356. *lepidalis* HULST, Trans. Am. Ent. Soc., xiii, 146, Mont.,
1886. Col.
- *4357. *baccatalis* HULST, Can. Ent., xxiv, 63, 1892. Tex.
4358. *sticticalis* LINNÆUS, Faun. Suec., 352, 1761; Rocky Mts.,
TREITSCHKE, Schm. Eur., vii, 64, 1829; DUPON- Cal., Eur.
CHEL, Hist. Nat. Lép. Fr., viii, 96, 1831; HER-
RICH-SCHAEFFER, Schm. Eur., iv, 34, 1848; HEI-
NEMANN, Kleinschm., i, 2, 90, 1865; ZELLER, Verh.
zool.-bot. Ges. Wien, xxii, 518, 1872; MEYRICK,
Handb. Brit. Lep., 418, 1895.
syn. *fuscalis* HÜBNER, Eur. Schmett., Pyr.,
29, pl. 7, f. 45, 1796; *tetragonalis* HAWORTH,
Lep. Brit., 385, 1811; *sordida* BUTLER, Tr.
Ent. Soc. Lond., 432, 1886.

4359. **commixtalis** WALKER, Cat. Brit. Mus., xxxiv, 1759, 1865. Eur., No. Am.
 syn. *indotatellus* WALKER, Cat. Brit. Mus., xxv, 1752, 1866; *septentrionalis* TENGSTRÖM, Cat., 358, 1869; *cereralis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 517, 1872.
4360. **offumalis** HULST, Trans. Am. Ent. Soc., xiii, 150, 1886. Cal.
- *4361. **indentalis** GROTE, Ann. Mag. Nat. Hist., (5), xi, 57, 1883. N. Mex.
- *4362. **albiceraleis** GROTE, Bull. U. S. Geol. Surv., iv, 678, 1878. Col.
4363. **oberthuralis** FERNALD, Ins. Life, vi, 255, 1894. Ariz., Cal.
- *4364. **labeculalis** HULST, Trans. Am. Ent. Soc., xiii, 152, 1886. Ariz.
- *4365. **thallophilalis** HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. Mont., Cal.
- *4366. **annaphilalis** GROTE, Can. Ent., xiii, 34, 1881. Cal.
- *4367. **anartalis** GROTE, Can. Ent., x, 27, 1878. Cal.
 syn. *lulualis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886.
4368. **linealis** FERNALD, Ins. Life, vi, 255, 1894. Cal.
4369. **macluræ** RILEY, Ins. Life, v, 155, 1893. Mo., Tex.
- *4370. **flavifimbrialis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 174, 1892. Cal.
- *4371. **succandidalis** HULST, Trans. Am. Ent. Soc., xiii, 153, 1886. Dak.
- *4372. **oblectalis** HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. Ariz.
- *4373. **ophionalis** WALKER, Cat. Brit. Mus., xvii, 316, 1859. Tex.
4374. **nasonialis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 209, 1873. Tex.
4375. **sesquialteralis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 209, 1873. Tex.
4376. **vibicalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 208, 1873. Tex.

DIASEMIA Hübner.

HÜBNER, Verz. bek. Schmett., 348, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 37, 1834; GUENÉE, Spec. Gén., viii, 233, 1854; LEDERER, Wien. ent. Mon., vii, 418, 1863; HEINEMANN, Kleinschm., i, 2, 98, 1865; MEYRICK, Handb. Brit. Lep., 404, 1895; HAMPSON, Proc. Zool. Soc. Lond., 213, 1899.

4377. **ramburialis** DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 343, 1831; FISCHER v. RÖSLERSTAMM, Microlep., 281, 1841; HERRICH-SCHAEFFER, Schm. Eur., iv, 26, 1848; GUENÉE, Spec. Gén., viii, 234, 1854; HEINEMANN, Kleinschm., i, 2, 98, 1865; LEECH, Brit. Pyr., 45, 1886; MEYRICK, Handb. Brit. Lep., 404, 1895; HAMPSON, Ind. Moths, iv, 411, 1896. So. Atl.
States,
Eur.,
Austr.

syn. *melaleucalis* WALKER, Cat. Brit. Mus., xvii, 402, 1859; *leodocusalis* WALKER, Cat. Brit. Mus., xix, 947, 1859; *reconditalis* WALKER, Cat. Brit. Mus., xxxiv, 1325, 1865; *leucophæalis* WALKER, Cat. Brit. Mus., xxxiv, 1326, 1865.

4378. **nigralis** FERNALD, Can. Ent., xxiv, 178, 1892. Fla.
- *4379. **janassialis** WALKER, Cat. Brit. Mus., xvii, 337, 1859. Fla.
- syn. *hariolalis* HULST, Trans. Am. Ent. Soc., xiii, 149, 1886.
- *4380. **plumbosignalis** FERNALD, Ent. Am., iv, 37, 1888. Can., Col.,
4381. **roseopennalis** HULST, Trans. Am. Ent. Soc., xiii, 148, 1886. Va., N. C.,
Ariz.
- *4382. **elegantalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 440, 1892. Cal.
- *4383. **magdalena** FERNALD, Can. Ent., xxiv, 122, 1892. Fla., Tex.

LIOPASIA Möschler.

MÖSCHLER, Verh. zool.-bot. Ges. Wien, xxxi, 426, 1881; HAMPSON, Proc. Zool. Soc. Lond., 215, 1899.

- *4384. **teneralis** LEDERER, Wien. ent. Mon., vii, 462, 1863. Cal.

CONDYLORRHIZA Lederer.

LEDERER, Wien. ent. Mon., vii, 393, 1863; HAMPSON, Proc. Zool. Soc. Lond., 218, 1899.

- *4385. **vestigialis** GUENÉE, Spec. Gén., viii, 321, 1854. La., Tex.
- syn. *tritealis* WALKER, Cat. Brit. Mus., xviii, 597, 1859; *mestoralis* WALKER, Cat. Brit. Mus., xviii, 729, 1859; *oratalis* HULST, Trans. Am. Ent. Soc., xiii, 158, 1886.

THOLERIA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 27, 1823; Verz. bek. Schmett., 354, 1826; *Mecyna* GUENÉE, Spec. Gén., viii, 406, 1854; MEYRICK, Trans. Ent. Soc. Lond., 451, 1890; Handb. Brit. Lep., 417, 1895; HAMPSON, Proc. Zool. Soc. Lond., 223, 1899.

4386. **reversalis** GUENÉE, Spec. Gén., viii, 409, 1854; Atl. States,
DYAR, Proc. Ent. Soc. Wash., iv, 461, 1901. W. I.

CALAMOCHROUS Lederer.

LEDERER, Wien. ent. Mon., vii, 386, 1863.

- *4387. **straminea** WARREN, Ann. Mag. Nat. Hist., (6), Cal.
ix, 393, 1892.

CYBALOMIA Lederer.

LEDERER, Wien. ent. Mon., vii, 420, 1863; HAMPSON, Proc. Zool. Soc. Lond., 229, 1899; *Hypolais* GUENÉE (not KAUP), Spec. Gén., viii, 239, 1854.

- *4388. **extorris** WARREN, Ann. Mag. Nat. Hist., (6), ix, West.
395, 1892. U. S.

4388. 1. **belialis** DRUCE, Biol. Cent. Am., Lep. Het., Col.,
ii, 557, 1899; DYAR, Proc. U. S. Nat. Mus., Mex.
xxv, 397, 1902.

MONOCONA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), ix, 173, 1892; HAMPSON, Proc. Zool. Soc. Lond., 232, 1899.

- *4389. **rubralis** WARREN, Ann. Mag. Nat. Hist., (6), ix, Cal.
174, 1892.

AUTOCOSMIA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), ix, 432, 1892; HAMPSON, Proc. Zool. Soc. Lond., 233, 1899.

- *4390. **nexalis** HULST, Tr. Am. Ent. Soc., xiii, 150, Tex., Col.,
1886. Cal.

syn. *concinna* WARREN, Ann. Mag. Nat. Hist.,
(6), ix, 433, 1892.

TITANIO Hübner.

HÜBNER, Verz. bek. Schmett., 350, 1826; MEYRICK, Tr. Ent. Soc. Lond., 453, 1890; HAMPSON, Proc. Zool. Soc. Lond., 235, 1899.

4391. **pollinalis** DENIS & SCHIFFERMÜLLER, Syst. Verz. Pa.,
Wien, 124, 1776; TREITSCHKE, Schm. Eur., vii, S. Eur.,
202, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., Australia.
viii, 2, 250, 1831; HERRICH-SCHAEFFER, Schm.
Eur., iv, 16, 1848; GUENÉE, Spec. Gén., viii,
149, 1854; HEINEMANN, Kleinschm., i, 2, 52,
1865.

syn. *bigutta* ESPER, Eur. Schmett., iv, 163, 5,
1786; *melissalis* WALKER, Cat. Brit. Mus.,
xvii, 331, 1859; *flavinotalis* GROTE, Can.
Ent., xiii, 34, 1881.

4392. *ephippialis* ZETTERSTEDT, Ins. Lap., 972, 1840; Lab.,
MÖSCHLER, Wien. ent. Mon., iv, 377, 1860; N. Greenl.,
WOCKE, Stett. ent. Zeit., xxiii, 34, 1862; xxv, N. Eur.
191, 1864.
syn. *frigidalis* GUENÉE, Spec. Gén., viii, 157,
1854; *scandinaviensis* GUENÉE, Spec. Gén.,
viii, 156, 1854.
- *4393. *dapalis* GROTE, Can. Ent., xiii, 17, 1881. Cal.
4394. *proximalis* FERNALD, Ins. Life, vi, 256, 1894. Cal.
- *4395. *immerens* HARVEY, Can. Ent., vii, 160, 1875. Cal.
- *4396. *bububattalis* HULST, Tr. Am. Ent. Soc., xiii, Col.
149, 1886.
4397. *helianthiales* MURTFELDT, Can. Ent., xxix, 71, Mo., Tex.
1897.

METASIA Guenée.

GUENÉE, Spec. Gén., viii, 251, 1854; HAMPSON, Proc. Zool. Soc. Lond., 236, 1899.

4398. *argalis* FERNALD, Ins. Life, vi, 256, 1894. Cal.

4399. *quadristrigalis* FERNALD, Ins. Life, vi, 257, 1894. Cal.

PERISPASTA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 333, 1875.

4400. *cæculalis* ZELLER, Verh. zool.-bot. Ges. Wien, So. Atl.
xxv, 333, 1875. States.

syn. *immixtalis* GROTE, Can. Ent., xiii, 232,
1881.

PHLYCTÆNIA Hübner.

HÜBNER, Verz. bek. Schmett., 359, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 42, 1834;
MEYRICK, Trans. Ent. Soc. Lond., 446, 1890; Handb. Brit. Lep., 408, 1895.

4401. *ferrugalis* HÜBNER, Eur. Schmett., Pyr., 27, pl. U. S.,
9, f. 54, 1796; TREITSCHKE, Schm. Eur., vii, Eur.,
94, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, Asia.
138, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv,
53, 1834; HERRICH-SCHAEFFER, Schm. Eur.,
iv, 39, 1848; GUENÉE, Spec. Gén., viii, 398,
1854; HEINEMANN, Kleinschm., i, 2, 76, 1865;
MEYRICK, Handb. Brit. Lep., 409, 1895.

syn. *rubigalis* GUENÉE, Spec. Gén., viii, 398,
1854; CHITTENDEN, Bull. no. 27, n. ser.,
U. S. Dept. Agr., 7, 1901; *martialis* GUENÉE,
Spec. Gén., viii, 398, 1854; *hypatialis*
WALKER, Cat. Brit. Mus., xix, 1014, 1859;
oblunalis LEDERER, Wien. ent. Mon., vii,
469, 1863; *harveyana* GROTE, Can. Ent., ix,
104, 1877.

- *4402. **profundalis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873. Cal., B. C.
4403. **inquinalis** ZELLER, Isis, xiii, 205, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 41, 1848; GUENÉE, Spec. Gén., viii, 395, 1854. Lab., N. Eur., Alps.
syn. *glacialis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 52, 1866.
4404. **itysalis** WALKER, Cat. Brit. Mus., xix, 828, 1859. Lab., Can., Col.
syn. *variegata* WALKER, Cat. Brit. Mus., xxvii, 76, 1863; *turmalis* GROTE, Can. Ent., xiii, 33, 1881; *hyperborealis* MÖSCHLER, Stett. ent. Zeit., xxxv, 163, 1874.
- *4405. **radiosalis** MÖSCHLER, Stett. ent. Zeit., xlv, 123, 1883. S. Lab.
4406. **washingtonalis** GROTE, Bull. U. S. Geol. Surv., vi, 578, 1882. Wash.
syn. *invinctalis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1886.
- *4407. **externalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 296, 1892. U. S.
- *4408. **indistinctalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 394, 1892. U. S.
4409. **acutella** WALKER, Cat. Brit. Mus., xxxv, 1753, 1866. No. Atl. States.
syn. *venalis* GROTE, Can. Ent., x, 24, 1878.
4410. **terrealis** TREITSCHKE, Schm. Eur., vii, 110, 1829; HEINEMANN, Kleinschm., i, 2, 69, 1865; MEYRICK, Handb. Brit. Lep., 409, 1895. No. U. S., Eur.
syn. *mysippusalis* WALKER, Cat. Brit. Mus., xviii, 564, 1859; *humilalis* LEDERER, Wien. ent. Mon., vii, 464, 1863.
4411. **extricalis** GUENÉE, Spec. Gén., viii, 338, 1854. Atl. States.
syn. *dionalis* WALKER, Cat. Brit. Mus., xviii, 758, 1859; *nisaeccalis* WALKER, Cat. Brit. Mus., xviii, 771, 1859; *intricatalis* LEDERER, Wien. ent. Mon., vii, 469, 1863; *oppilalis* GROTE, Can. Ent., xii, 36, 1880.
4412. **helvalis** WALKER, Cat. Brit. Mus., xviii, 757, 1859. No. Atl. States, Col.
syn. *oscitalis* GROTE, Can. Ent., xii, 36, 1880; *gyralis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1886.
4413. **tertialis** GUENÉE, Spec. Gén., viii, 364, 1854. Atl. States.
syn. *plectilis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 27, 1867; *syringicola* PACKARD, Rep. Mass. Bd. Agr., 250, 1870.

CINDAPHIA Lederer.

LEDERER, Wien. ent. Mon., vii, 438, 1863.

4414. *bicoloralis* GUENÉE, Spec. Gén., viii, 205, 1854. Atl. States,
 syn. *julialis* WALKER, Cat. Brit. Mus., xvii, So. Am.
 389, 1859; *incensalis* LEDERER, Wien. ent.
 Mon., vii, 439, 1863; *amiculatalis* BERG,
 Stett. ent. Zeit., xxxvii, 343, 1876; *pul-*
chripictalis HAMPSON, Ann. Mag. Nat. Hist.,
 (6), xvi, 341, 1895.

EPICORSIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 24, 1818; Verz. bek. Schmett., 355, 1826.

4415. *mellinalis* HÜBNER, Zutr. exot. Schmett., i, 24, Fla., W. I.,
 f. 137, 138, 1818; DYAR, Journ. N. Y. Ent. Soc., So. Am.
 ix, 21, 1901.
 syn. *ædipodalis* GUENÉE, Spec. Gén., viii, 336,
 1854; *butyroza* BUTLER, Proc. Zool. Soc.
 Lond., 493, 1878.

PYRAUSTA Schrank.

SCHRANK, Faun. Boica, ii, 2, 1802; TREITSCHKE, Schm. Eur., vii, 162, 1829; DUPON-
 CHEL, Hist. Nat. Lép. Fr., viii, 2, 209, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv,
 33, 1834; MEYRICK, Trans. Ent. Soc. Lond., 449, 1890; Handb. Brit. Lep., 411,
 1895; HAMPSON, Proc. Zool. Soc. Lond., 252, 1899.

- *4416. *vacunalis* GROTE, Can. Ent., xiii, 33, 1881. Cal.
 4417. *pertextalis* LEDERER, Wien. ent. Mon., vii, 466, Me. to
 1863. Tex.
 syn. *gentilis* GROTE, Bull. Buff. Soc., i, 173,
 1873; *thesealis* ZELLER, Verh. zool.-bot.
 Ges. Wien, 514, 1872.
 *4418. *fissalis* GROTE, Bull. U. S. Geol. Surv., vi, 273, No. Atl.
 1881. States.
 *4419. *æglealis* WALKER, Cat. Brit. Mus., xviii, 565, 1859. No. Atl.
 syn. *quinquelinealis* GROTE, Bull. Buff. Soc., States.
 ii, 231, 1875.
 4420. *thestealis* WALKER, Cat. Brit. Mus., xviii, 733, No. Atl.
 1859. States.
 syn. *magistralis* GROTE, Bull. Buff. Soc., i, 173,
 1873; *gulosalis* HULST, Trans. Am. Ent. Soc.,
 xiii, 155, 1886.
 4421. *theseusalis* WALKER, Cat. Brit. Mus., xviii, 562, Atl. States.
 1859.
 syn. *feudalis* GROTE, Bull. Buff. Soc., ii, 231,
 1875.
 *4422. *langdonalis* GROTE, Can. Ent., ix, 10, 1877. Ohio.

4423. *oxydalis* GUENÉE, Spec. Gén., viii, 328, 1854. Atl. States,
 syn. *flavidalis* GUENÉE, Spec. Gén., viii, 329, So. Am.
 1854; *lucalis* WALKER, Cat. Brit. Mus.,
 xviii, 733, 1859; *cinctipetalis* WALKER, Cat.
 Brit. Mus., xxxiv, 1391, 1865.
- *4424. *phyllisalis* WALKER, Cat. Brit. Mus., xix, 936, Tex.
 1859.
- *4425. *elealis* WALKER, Cat. Brit. Mus., xvii, 351, 1859. Pa.
 syn. *taedialis* WALKER, Cat. Brit. Mus., xviii,
 732, 1859.
- *4426. *orphisalis* WALKER, Cat. Brit. Mus., xvii, 310, No. Atl.
 1859. States.
 syn. *adipaloides* GROTE & ROBINSON, Trans.
 Am. Ent. Soc., i, 27, 1867.
- *4427. *fuscimaculalis* GROTE, Can. Ent., x, 25, 1878. Tex.
 syn. *flavicollalis* GROTE, Can. Ent., x, 25, 1878;
confovealis HULST, Trans. Am. Ent. Soc.,
 xiii, 151, 1886.
4428. *trimaculalis* GROTE, Can. Ent., x, 24, 1878. Tex.
4429. *gracilalis* HULST, Tr. Am. Ent. Soc., xiii, 151, Tex., Ariz.,
 1886. Cal.
- *4430. *haedulalis* HULST, Tr. Am. Ent. Soc., xiii, 152, Tex.
 1886.
- *4431. *submedialis* GROTE, Can. Ent., viii, 111, 1876. Can.,
 syn. *dissectalis* GROTE, Can. Ent., xii, 36, Ill.,
 1880; *pilalis* HULST, Tr. Am. Ent. Soc., Fla.,
 xiii, 151, 1886. Ariz.
- *4432. *venalalis* HULST, Tr. Am. Ent. Soc., xiii, 151, N. Y.
 1886.
- *4433. *obumbratalis* LEDERER, Wien. ent. Mon., vii, No. Am.
 467, 1863.
4434. *mustelinalis* PACKARD, Ann. Lyc. Nat. Hist. Cal.
 N. Y., x, 262, 1873.
 syn. *catenulalis* GROTE, Can. Ent., ix, 105,
 1877; *monulalis* HULST, Tr. Am. Ent. Soc.,
 xiii, 154, 1886.
- *4435. *singularis* LEDERER, Wien. ent. Mon., vii, 475, No. Am.?,
 1863. Brazil.
4436. *fumalis* GUENÉE, Spec. Gén., viii, 358, 1854. Atl. States.
 syn. *oratusalis* WALKER, Cat. Brit. Mus.,
 xviii, 784, 1859; *badipennis* GROTE, Bull.
 Buff. Soc., i, 88, 1873.

4437. *illibalis* HÜBNER, Zutr. exot. Schmett., i, 19, f. 95, 96, 1818. Atl. States.
 syn. *arsaltealis* WALKER, Cat. Brit. Mus., xviii, 564, 1859; *euphæsalis* WALKER, Cat. Brit. Mus., xix, 1008, 1859; *guttulosa* WALKER, Cat. Brit. Mus., xxvii, 78, 1863; *fascialis* WALKER, Tr. Ent. Soc. Lond., (3), i, 127, 1862; *subjectalis* LEDERER, Wien. ent. Mon., vii, 480, 1863; *magniferalis* WALKER, Can. Nat. & Geol., vi, 41, 1861.
- *4438. *octosignalis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886. Tex., Cal.
4439. *penitalis* GROTE, Can. Ent., viii, 98, 1876. So. Atl. States.
 syn. *nelumbialis* SMITH, Ent. Am., vi, 89, 1890.
4440. *inconcinna* LEDERER, Wien. ent. Mon., vii, 467, 1863. Ill., Tex., Col., Ariz.
 syn. *crocotalis* GROTE, Pap., i, 167, 1881; *festalis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886.
4441. *futilalis* LEDERER, Wien. ent. Mon., vii, 467, 1863. Atl. States.
 syn. *erectalis* GROTE, Can. Ent., viii, 99, 1876.
4442. *fumoferalis* HULST, Tr. Am. Ent. Soc., xiii, 154, 1886. No. U. S., Cal.
4443. *unifascialis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873. No. U. S., Cal.
 syn. *subolivalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873; *hircinalis* GROTE, Bull. Buff. Soc., ii, 232, 1875; *obnigralis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886.
- *4444. *torvalis* MÖSCHLER, Wien. ent. Mon., viii, 198, 1864. Lab., No. Greenl.
 syn. *gelida* McLACHLAN, Jn. Linn. Soc., xiv, 115, 1880.
4445. *fodinalis* LEDERER, Wien. ent. Mon., vii, 461, 1863. No. U. S., Cal.
 syn. *socialis* GROTE, Can. Ent., ix, 107, 1877.
4446. *semirubralis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 263, 1873. Cal.
4447. *perrubralis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 264, 1873. Manitoba, Ariz., Cal.
 syn. *scurralis* HULST, Tr. Am. Ent. Soc., xiii, 155, 1886; *postrubralis* HAMPSON, Proc. Zool. Soc. Lond., 262, 1899.

4448. *phoenicealis* HÜBNER, Zutr. exot. Schmett., i, 22, f. 115, 116, 1818. Atl. States, W. I., So. Am., India, China, Australia.
 syn. *opalizalis* GUENÉE, Spec. Gén., viii, 172, 1854; *insignitalis* GUENÉE, Spec. Gén., viii, 173, 1854; *flegialis* WALKER, Cat. Brit. Mus., xvii, 316, 1859; *panopealis* WALKER, Cat. Brit. Mus., xvii, 318, 1859; *eratalis* WALKER, Cat. Brit. Mus., xviii, 578, 1859; *onythesalis* WALKER, Cat. Brit. Mus., xviii, 734, 1859.
- *4449. *toralis* GROTE, Pap., i, 178, 1881. N. Mex.
4450. *acrionalis* WALKER, Cat. Brit. Mus., xix, 925, 1859. Atl. States.
 syn. *acuphisalis* WALKER, Cat. Brit. Mus., xix, 926, 1859; *proceralis* LEDERER, Wien. ent. Mon., vii, 460, 1863; *sumptuosalis* WALKER, Cat. Brit. Mus., xxxiv, 1281, 1865; *haruspica* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 19, 1867.
a. ruffimbrialis GROTE, Can. Ent., xiii, 34, 1881.
4451. *rubricalis* HÜBNER, Schm. Eur., Pyr., 22, pl. 16, f. 106, 1796. Cal.
 syn. *similalis* LEDERER, Wien. ent. Mon., vii, 460, 1863; *nescalis* WALKER, Cat. Brit. Mus., xvii, 315, 1859; *californicalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 260, 1873.
- *4452. *tatalis* GROTE, Can. Ent., ix, 106, 1877. Tex.
4453. *borealis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 53, 1867. Lab., Can., Me.
 syn. *matronalis* GROTE, Bull. Buff. Soc., ii, 231, 1875.
4454. *insequalis* GUENÉE, Spec. Gén., viii, 447, 1854. Atl. States.
 syn. *subsequalis* GUENÉE (not HERRICH-SCHAEFFER), Spec. Gén., viii, 177, 1854; *madetesalis* WALKER, Cat. Brit. Mus., xix, 946, 1859; *repletalis* WALKER, Cat. Brit. Mus., xxxiv, 1285, 1865; *efficitalis* WALKER, Cat. Brit. Mus., xxxiv, 1287, 1865.
4455. *generosa* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 20, 1867. Pa., Ill.
- *4456. *flavofascialis* GROTE, Bull. U. S. Geol. Surv., vi, 577, 1882. N. Mex.
4457. *laticlavica* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 17, 1867. Pa., Tex., Cal.
a. cinerosa GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 18, 1867.

4458. **tyralis** GUENÉE, Spec. Gén., viii, 169, 1854. Ill., Fla., Tex.
 syn. *erosnealis* WALKER, Cat. Brit. Mus., xvii, 311, 1859; *diffissa* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 19, 1867; *bellulalis* HULST, Trans. Am. Ent. Soc., xiii, 149, 1886.
- *4459. **coccinea** WARREN, Ann. Mag. Nat. Hist., (6), ix, 176, 1892. Cal.
4460. **costimaculalis** FERNALD, Journ. N. Y. Ent. Soc., ix, 50, 1901. Fla.
4461. **inornatalis** FERNALD, Can. Ent., xvii, 57, 1885. Fla., Tex., Mex.
 syn. *rosa* DRUCE, Biol. Cent. Am., Lep. Het., ii, 206, 1895.
4461. 1. **signatalis** WALKER, Cat. Brit. Mus., xxxiv, 1282, 1865. Ill., Mo., Ala., Tex.
 syn. *vinulenta* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 17, 1867.
4462. **volupialis** GROTE, Bull. U. S. Geol. Surv., iii, 799, 1877. Col.
4463. **angustalis** GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881. Col., Ariz., Cal.
- *4464. **subnicalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 177, 1892. U. S.
4465. **atropurpurealis** GROTE, Can. Ent., ix, 104, 1877. Tex.
4466. **lethalis** GROTE, Can. Ent., xiii, 33, 1881. Cal.
- *4467. **nicalis** GROTE, Bull. U. S. Geol. Surv., iv, 671, 1878. Manitoba, Nev., Col., Cal.
 syn. *uxorculalis* HULST, Trans. Am. Ent. Soc., xiii, 153, 1886.
- *4468. **marginalis** WALKER, Cat. Brit. Mus., xxxiv, 1459, 1865. Manitoba, Me.
 syn. *stenopteralis* GROTE, Can. Ent., x, 26, 1878.
4469. **unimacula** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 14, 1867. Pa.
- *4470. **commortalis** GROTE, Can. Ent., xiii, 233, 1881. Cal.
- *4471. **versicolor** WARREN, Ann. Mag. Nat. Hist., (6), ix, 175, 1892. U. S.
4472. **funebis** STRÖM, Kgl. Norske Vid. Selsk. Skr., iv, 339, 1768; SCHÖYEN, Stett. ent. Zeit., xl, 399, 1879. No. Am., Eur.
 syn. *octomaculata* LINNÆUS, Mant. Plant. Alt., 540, 1771; *glomeralis* WALKER, Cat. Brit. Mus., xvii, 330, 1859.

4473. *niveiciliaris* GROTE, Bull. Buff. Soc., ii, 232, 1875. Mass., N. Y.
- *4473. 1. *abdominalis* ZELLER, Verh. zool.-bot. Ges. No. Am.
Wien, xxii, 515, 1872; HAMPSON, Proc. Zool.
Soc. Lond., 273, 1899 (type probably lost).

EUSTIXIA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 24, 1823; *Thelcteria* LEDERER, Wien. ent. Mon.,
vii, 350, 1863; HAMPSON, Proc. Zool. Soc. Lond., 275, 1899.

4474. *pupula* HÜBNER, Zutr. exot. Schmett., ii, 24, Atl.
f. 327, 328, 1823. States.
4475. *octonalis* ZELLER, Verh. zool.-bot. Ges. Wien, Atl.
xxiii, 211, 1873. States.
- syn. *sexmaculalis* GROTE, Can. Ent., viii, 98,
1876.

CORNIFRONS Lederer.

LEDERER, Wien. ent. Mon., ii, 147, 1858; HAMPSON, Proc. Zool. Soc. Lond., 276, 1899.

4476. *simalis* GROTE, Bull. U. S. Geol. Surv., iv, 670, Mont.,
1876. Oreg.
- *4477. *pulveralis* WARREN, Ann. Mag. Nat. Hist., (6), Nev.
ix, 435, 1892.

NOCTUELIA Guenée.

GUENÉE, Spec. Gén., viii, 113, 1854; HAMPSON, Proc. Zool. Soc. Lond., 278, 1899.

4478. *thalialis* WALKER, Cat. Brit. Mus., xviii, 582, Tex., W. I.,
1859. So. Am.
- syn. *peruviana* WALKER, Cat. Brit. Mus.,
xxxiii, 804, 1865; *gelidalis* WALKER, Cat.
Brit. Mus., xxxiv, 1229, 1865; *novalis*
GROTE, Can. Ent., viii, 156, 1876; *costæma-*
culalis SNELLEN, Tijd.v. Ent., xxx, 54, 1887.
4479. *castanealis* HULST, Tr. Am. Ent. Soc., xiii, 157, Tex.
1886.
- *4480. *nuchalis* GROTE, Bull. U. S. Geol. Surv., iv, 675, Cal.
1878.
4481. *elautalis* GROTE, Pap., i, 168, 1881. Ariz.
- syn. *magnalis* HULST, Tr. Am. Ent. Soc., xiii,
147, 1886.
- *4482. *simplex* WARREN, Ann. Mag. Nat. Hist., (6), xvi, U. S.
474, 1895.

LINEODES Guenée.

GUENÉE, Spec. Gén., viii, 234, 1854; HAMPSON, Proc. Zool. Soc. Lond., 283, 1899;
Scoptonoma ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 328, 1873.

4483. *contortalis* GUENÉE, Spec. Gén., viii, 236, 1854. Tex., Fla.,
So. Am.

4484. *integra* ZELLER, Verh. zool.-bot. Ges. Wien, Mo., Tex.,
xxiii, 328, 1873; DYAR, Jn. N. Y. Ent. Soc., ix, Cal., So.
22, 1901. Am.
- *4485. *interrupta* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxiii, 329, 1873.
4486. *triangularis* MÖSCHLER, Abn. Senck. Ges., xv, Fla.,
305, 1889; DYAR, Jn. N. Y. Ent. Soc., ix, 22, W. I.
1901.

Subfamily NYMPHULINÆ.

By C. H. FERNALD..

NYMPHULA Schrank.

SCHRANK, Faun. Boica., ii, 2, 162, 1802; TREITSCHKE, Schm. Eur., vii, 127, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 158, 1831; HERRICH-SCHAEFFER, Schm. Eur., iv, 10, 1848; MEYRICK, Handb. Brit. Lep., 402, 1895; HAMPSON, Trans. Ent. Soc. Lond., 138, 1897; *Hydrocampa* LATREILLE, Fam. Nat. Règ. An., 478, 1825; *Parapoyuz* HÜBNER, Verz. bek. Schmett., 362, 1826; *Synclita* LEDERER, Wien. ent. Mon., vii, 448, 1863; *Nymphælla* GROTE, No. Am. Ent., i, 97, 1880.

4487. *iccusalis* WALKER, Cat. Brit. Mus., xix, 971, Atl. States,
1859. So. Am.
- syn. *faulalis* WALKER, Cat. Brit. Mus., xix,
973, 1859; *formosalis* CLEMENS, Proc. Acad.
Nat. Sci. Phil., 217, 1860; PACKARD, Am.
Nat., xviii, 824, 1884; *genuialis* LEDERER,
Wien. ent. Mon., vii, 451. 1863; *pacalis*
GROTE, Pap., i, 17, 1881.
4488. *nebulosalis* FERNALD, Ent. Amer., iii, 127, 1887. Fla.
- *4489. *gyralis* HUIST, Trans. Am. Ent. Soc., xiii, 159, Atl.
1886. States.
- syn. *dentilinea* HAMPSON, Trans. Ent. Soc.
Lond., 139, 1897.
4490. *ekthlipsis* GROTE, Can. Ent., viii, 111, 1876. Me., Mass.,
N. Y., Can.
4491. *allionealis* WALKER, Cat. Brit. Mus., xvii, 453, Ga., Fla.,
1859. Wis.
- syn. *itealis* WALKER, Cat. Brit. Mus., xvii,
458, 1859; *cretacealis* LEDERER, Wien. ent.
Mon., vii, 484, 1863; *aptalis* LEDERER,
Wien. ent. Mon., vii, 485, 1863; *plenilinea-*
lis GROTE, Pap., i, 17, 1881.
4492. *badiusalis* WALKER, Cat. Brit. Mus., xix, 955, Atl.
1859. States.
- syn. *curviferalis* WALKER, Cat. Brit. Mus.,
xxxiv, 1331, 1865; *albalis* ROBINSON, Ann.
Lyc. Nat. Hist. N. Y., ix, 153, 1869.

4493. **obscuralis** GROTE, Pap., i, 18, 1881. Me., Mass.,
syn. ? *tedyuscongalis* CLEMENS, Proc. Acad. N. Y., Pa.,
Nat. Sci. Phil., 216, 1860. Wis.

4494. **cannalis** QUAINANCE, Bull. Fla. Ex. Sta., no. 45, Fla.
68, 1898.

4495. **maculalis** CLEMENS, Proc. Acad. Nat. Sci. Phil., Atl.
218, 1860. States.

syn. *seminivella* WALKER, Cat. Brit. Mus.,
xxxv, 1717, 1866; *dipsar* GROTE, No. Am.
Ent., i, 97, 1880.

4496. **obliteralis** WALKER, Cat. Brit. Mus., xvii, 399, Fla.
1859.

syn. *obscuralis* MÖSCHLER, Verh. zool.-bot.
Ges. Wien, 432, 1876; *proprialis* FERNALD,
Ent. Am., iv, 37, 1888.

ELOPHILA Hübner.

HÜBNER, Tent., 2, 1806; *Cataclysta* HÜBNER, Verz. bek. Schmett., 363, 1826; STEPHENS,
Ill. Brit. Ent., Haust., iv, 39, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 7, 1848;
GUENÉE, Spec. Gén., viii, 263, 1854; LEDERER, Wien. ent. Mon., vii, 453, 1863;
HEINEMANN, Kleinschm., i, 2, 106, 1865; MEYRICK, Handb. Brit. Lep., 402, 1895;
HAMPSON, Trans. Ent. Soc. Lond., 147, 1897; *Chrysendeton* GROTE, Pap., i, 16, 1881;
Anydraula MEYRICK, Trans. Ent. Soc. Lond., 427, 1885.

- *4497. **magnificalis** HÜBNER, Eur. Schmett., Pyr., f. Mid.
104, 1796. States.

syn. *lamialis* WALKER, Cat. Brit. Mus., xvii,
436, 1859; *helopalís* CLEMENS, Proc. Acad.
Nat. Sci. Phil., 218, 1860.

4498. **claudialis** WALKER, Cat. Brit. Mus., xvii, 437, Fla.
1859.

syn. *medicinalis* GROTE, Pap., i, 15, 1881.

4499. **bifascialis** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., Tex.
ix, 154, 1869.

4500. **fulicalis** CLEMENS, Proc. Acad. Nat. Sci. Phil., Me., Mass.,
217, 1860. Pa., N. Mex.

syn. *angulatalis* LEDERER, Wien. ent. Mon.,
vii, 486, 1863; *confusalis* WALKER, Cat.
Brit. Mus., xxxiv, 1334, 1865.

- *4501. **avernalis** GROTE, Trans. Kans. Acad. Sci., viii, 53, N. Mex.
1853.

OLIGOSTIGMA Guenée.

GUENÉE, Spec. Gén., viii, 260, 1854; HAMPSON, Tr. Ent. Soc. Lond., 167, 1897.

4502. **juncealis** GUENÉE, Spec. Gén., viii, 261, 1854. Fla.

syn. *seminealis* WALKER, Cat. Brit. Mus.,
xvii, 430, 1859.

DIATHRAUSTA Lederer.

LEDERER, Wien. ent. Mon., 438, 1863; HAMPSON, Tr. Ent. Soc. Lond., 205, 1897.

4503. *reconditalis* WALKER, Cat. Brit. Mus., xix, 943, Mass., N. Y.,
1859. Pa.

syn. *minuialis* WALKER, Cat. Brit. Mus., xxxiv,
1297, 1865; *octomaculalis* FERNALD, Ent.
Amer., iii, 127, 1887.

Subfamily SCOPARIINÆ.

By C. H. FERNALD.

SCOPARIA Haworth.

HAWORTH, Lep. Brit., iii, 498, 1811; HEINEMANN, Kleinschm., i, 2, 20, 1865; MEY-
RICK, Handb. Brit. Lep., 419, 1895; HAMPSON, Tr. Ent. Soc. Lond., 229, 1897;
Eudorea CURTIS, Brit. Ent., vi, 170, 1825; STEPHENS, Ill. Brit. Ent., Haust., iv, 298,
1834; ZELLER, Linn. Ent., i, 265, 1846.

- *4504. *lugubralis* WALKER, Cat. Brit. Mus., xxxiv, 1498, Can.
1865.

- *4505. *nominatalis* HULST, Tr. Am. Ent. Soc., xiii, 148, Vancouver.
1886.

- *4506. *atropicta* HAMPSON, Tr. Ent. Soc. Lond., 233, 1897. U. S.

4507. *basalis* WALKER, Cat. Brit. Mus., xxxiv, 1497, Can., N. E.,
1865. Mid., & W.
States.

syn. *biplagiialis* WALKER, Cat. Brit. Mus.,
xxxiv, 1499, 1865; *libella* GROTE, Bull. U. S.
Geol. Surv., iv, 675, 1878.

- *4508. *rectilinea* ZELLER, Verb. zool.-bot. Ges. Wien, Cal.,
xxiv, 5, 1874. Vancouver.

syn. *refugalis* HULST, Tr. Am. Ent. Soc., xiii,
148, 1886.

- *4509. *delphusa* DRUCE, Biol. Cent. Am., Lep. Het., ii, W. States,
279, 1895. Mex.

4510. *centuriella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Eur., Lab.,
Wien., 319, 1776. Can., U. S.

syn. *borealis* LEFÈBRE, Ann. Soc. Ent. Fr.,
400, 1835; *numeralis* ZETTERSTEDT, Ins. Lap.,
971, 1840; *quadratella* ZETTERSTEDT, Ins.
Lap., 997, 1840; *cæcalis* WALKER, Cat. Brit.
Mus., xvi, 36, 1858; *caliginosalis* WALKER,
Cat. Brit. Mus., xxxiv, 1460, 1865; *ningui-*
dalis HULST, Tr. Am. Ent. Soc., xiii, 147,
1886.

Subfamily PYRALINÆ.

By C. H. FERNALD.

AGLOSSA Latreille.

LATREILLE, Précis Char. Gén. Ins., 145, 1796; Hist. Nat. Crust. Ins., iii, 414, 1802; v, 323, 1803; xiv, 229, 1805; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 61, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv, 22, 1834; HERRICH-SCHAEFFER, Schm. Eur., i, 119, 1848; GUENÉE, Spec. Gén., viii, 125, 1854; HEINEMANN, Kleinschm., i, 2, 13, 1865; MEYRICK, Handb. Brit. Lep., 428, 1895; HAMPSON, Trans. Ent. Soc. Lond., 505, 1896.

4511. *cuprealis* HÜBNER, Verz. bek. Schmett., 348, 1826; TREITSCHKE, Schm. Eur., vii, 38, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 61, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv, 23, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 119, 1848; HEINEMANN, Kleinschm., i, 2, 14, 1865; MEYRICK, Handb. Brit. Lep., 428, 1895. U. S., Eur.

syn. *cuprealis* HÜBNER, Schmett. Eur., Pyr., f. 153, 1800; *domalis* GUENÉE, Spec. Gén., viii, 128, 1854; *enthealis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886.

4512. *cestialis* HULST, Trans. Am. Ent. Soc., xiii, 164, 1886. Col.

HYPSOPYGIA Hübner.

HÜBNER, Verz. bek. Schmett., 348, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 26, 1834; HAMPSON, Trans. Ent. Soc. Lond., 507, 1896.

4513. *costalis* FABRICIUS, Syst. Ent., 644, 1775; STEPHENS, Ill. Brit. Ent., Haust., iv, 27, 1834; HEINEMANN, Kleinschm., i, 2, 15, 1865; MEYRICK, Handb. Brit. Lep., 427, 1895. Eur., Atl. States.

syn. *fimbrialis* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 124, 1776.

- a. *hyllalis* WALKER, Cat. Brit. Mus., xvii, 265, 1859.

PYRALIS Linnæus.

LINNÆUS, Syst. Nat., i, 533, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 24, 1834; MEYRICK, Handb. Brit. Lep., 426, 1895; HAMPSON, Trans. Ent. Soc. Lond., 507, 1896; *Asopia* TREITSCHKE, Schm. Eur., vi, 2, 316, 1828.

- *4514. *cuprina* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 497, 1872. Mo., Tex.

- *4514. 1. *costiferalis* WALKER, Cat. Brit. Mus., xxxv, 1977, 1866. Me., N. J., N. C.

syn. *costigeralis* WALKER (not WALKER), Cat. Brit. Mus., xxxiv, 1226, 1865.

- *4515. *electalis* HULST, Trans. Am. Ent. Soc., xiii, 146, 1886. Ariz.

4516. *farinalis* LINNÆUS, Syst. Nat., i, 533, 1758; U. S., Eur.,
STEPHENS, Ill. Brit. Ent., Haust., iv, 25, 1834; Asia.
HÜBNER, Pyr., f. 95, 1796; TREITSCHKE, Schm.
Eur., vii, 147, 1829; DUPONCHEL, Hist. Nat.
Lép. Fr., viii, 193, 1831; HERRICH-SCHAEFFER,
Schm. Eur., iv, 121, 1848; GUENÉE, Spec. Gén.,
viii, 119, 1854; HEINEMANN, Kleinschm., i, 2,
16, 1865; MEYRICK, Handb. Brit. Lep., 427,
1895.

HERCULIA Walker.

WALKER, Cat. Brit. Mus., xix, 807, 1859; HAMPSON, Trans. Ent. Soc. Lond., 517,
1896; *Cisse* WALKER, Cat. Brit. Mus., xxvii, 125, 1863; *Buzala* WALKER, Cat. Brit.
Mus., xxvii, 129, 1863; *Ocrasa* WALKER, Cat. Brit. Mus., xxxiv, 1212, 1865; *Lixa*
WALKER, Cat. Brit. Mus., xxxiv, 1254, 1865; *Bejuda* WALKER, Cat. Brit. Mus.,
xxxiv, 1273, 1865; *Pseudasopia* GROTE, Bull. Buff. Soc., i, 172, 1873.

- *4517. *binodulalis* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxii, 501, 1872.
4518. *thymetusalis* WALKER, Cat. Brit. Mus., xviii, Can., Mass.,
565, 1859. N. Y.
syn. *devialis* GROTE, Bull. Buff. Soc., ii, 229,
1875.
- *4519. *cohortalis* GROTE, Can. Ent., x, 233, 1878. Col.
4520. *intermedialis* WALKER, Trans. Ent. Soc. Lond., N. E., N. Y.,
(3), i, 118, 1862. West. States.
syn. *sodalis* WALKER, Char. Lep. Het., 60,
1869; *squamealis* GROTE, Bull. Buff. Soc.,
i, 172, 1873.
4521. *olinalis* GUENÉE, Spec. Gén., viii, 118, 1854; U. S.,
ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 499, Can.
1872.
syn. *trentonalis* LEDERER, Wien. ent. Mon.,
vii, 458, 1863.
- *4522. *planalis* GROTE, No. Am. Ent., i, 95, 1880. Col.
syn. *enniculalis* HULST, Tr. Am. Ent. Soc.,
xiii, 147, 1886; *occidentalis* HULST, Tr. Am.
Ent. Soc., xiii, 147, 1886.
4523. *himonialis* ZELLER, Verh. zool.-bot. Ges. Wien, Mass.
xxii, 500, 1872.

OMPHALOCERA Lederer.

LEDERER, Wien. ent. Mon., vii, 339, 1863.

4524. *cariosa* LEDERER, Wien. ent. Mon., vii, 339, So. Atl. Sta.,
1863. So. Am.
4525. *dentosa* GROTE, Bull. U. S. Geol. Surv., vi, 272, U. S.
1881.

Subfamily CHRYSAUGINÆ

By C. H. FERNALD.

SALOBRA Walker.

WALKER Cat. Brit. Mus., xviii, 44, 1863; HAMPSON, Proc. Zool. Soc. Lond., 649, 1897; *Chrysargema* RILEY, Am. Ent., iii, 287, 1890.

4526. *tecumae* RILEY, Am. Ent., iii, 288, 1890.

Mo., W. I.,
So. Am.

ECTOPERIA Zeller.

ZELLER Verh. zool.-bot. Ges. Wien, xiv, 331, 1873; RAGONOT, Ann. Soc. Ent. Fr., 494, 1891.

4527. *sincera* ZELLER, Verh. zool.-bot. Ges. Wien, xiv, 332, 1873.

Tex.

TOSALE Walker.

WALKER Cat. Brit. Mus., xviii, 47, 1863; RAGONOT, Ann. Soc. Ent. Fr., 499, 1891; HAMPSON, Proc. Zool. Soc. Lond., 652, 1897; *Fabulana* WALKER, Cat. Brit. Mus., xxxiv, 1263, 1865; *Speroxera* GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 128, 1875.

4528. *oviplagalis* WALKER, Cat. Brit. Mus., xxxiv, 1263, 1865.

Atl. States,
Tex., W. I.,
So. Am.

syn. *nubilis* GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 128, 1875; *anthracioides* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 15, 1867.

PARACHMA Walker.

WALKER Cat. Brit. Mus., xxxiv, 1263, 1865; HAMPSON, Proc. Zool. Soc. Lond., 659, 1897; *Zidoni* WALKER, Cat. Brit. Mus., xxxiv, 1269, 1865; *Peræis* RAGONOT, Ann. Soc. Ent. Fr., 538, 1891.

*4529. *ochracealis* WALKER, Cat. Brit. Mus., xxxiv, 1263, 1865.

Fla., Tex.

syn. *auritalis* WALKER, Cat. Brit. Mus., xxxiv, 1269, 1865; *culiculis* HULST, Tr. Am. Ent. Soc., xiii, 147, 1886.

ARTA Grote.

GROTE, Bull. Buff. Soc., ii, 229, 1875; HAMPSON, Proc. Zool. Soc. Lond., 669, 1897; *Heliades* RAGONOT, Ann. Soc. Ent. Fr., 534, 1891.

4530. *statalis* GROTE, Bull. Buff. Soc., ii, 230, 1875.

N. Y., Ariz.,
Fla.

syn. *piemalis* RAGONOT, Ann. Soc. Ent. Fr., 536, 1891; *mullella* HULST, Ent. Am., iii, 133, 1887.

4531. *olivalis* GROTE, Can. Ent., x, 24, 1878.

Tex.

CONDYLOLOMIA Grote.

GROTE, Bull. Buff. Soc., i, 176, 1873; RAGONOT, Ann. Soc. Ent. Fr., 510, 1891; HAMPSON, Proc. Zool. Soc. Lond., 673, 1897.

*4532. *participialis* GROTE, Bull. Buff. Soc., i, 177, 1873. Mass., Pa.

GALASA Walker.

WALKER, Cat. Brit. Mus., xxxv, 1801, 1866; HAMPSON, Proc. Zool. Soc. Lond., 674, 1897; *Cordylopeza* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 206, 1873.

4533. *rubidana* WALKER, Cat. Brit. Mus., xxxv, 1802, 1866. Atl. States, W. I.

syn. *nigrinodis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 206, 1873.

ACALLIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 540, 1891; HAMPSON, Proc. Zool. Soc. Lond., 677, 1897.

*4534. *griphalis* HULST, Trans. Am. Ent. Soc., xiii, 146, 1886. Tex., Ariz., Col.

syn. *fernaldi* RAGONOT, Ann. Soc. Ent. Fr., 540, 1891; *angustipennis* WARREN, Ann. Mag. Nat. Hist., (6), vii, 494, 1891.

CHALINITIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 528, 1891; HAMPSON, Proc. Zool. Soc. Lond., 684, 1897.

*4535. *olealis* RAGONOT, Ann. Soc. Ent. Fr., 529, 1891. Fla.

Subfamily SCHCENOBIINÆ.

By C. H. FERNALD.

AMESTRIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 545, 1891; HAMPSON, Proc. Zool. Soc. Lond., 904, 1895.

*4536. *oculiferalis* RAGONOT, Ann. Soc. Ent. Fr., 546, 1891. Tex.

PATISSA Moore.

MOORE, Lep. Ceyl., iii, 388, 1886; HAMPSON, Proc. Zool. Soc. Lond., 910, 1895.

4537. *xantholeucalis* GUENÉE, Spec. Gén., viii, 253, 1854. Ga., Fla.
syn. *fasciella* FERNALD, Ent. Am., iii, 38, 1887.

*4538. *flavicostella* FERNALD, Ent. Am., iii, 38, 1887. Fla.

*4539. *vestaliella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 532, 1872. Fla., Tex.

SCIRPOPHAGA Treitschke.

TREITSCHKE, Schm. Eur., ix, 1, 55, 1832; HERRICH-SCHAEFFER, Schm. Eur., iv, 52, 1848; ZELLER, Chil. et Cram., 1, 1863; HEINEMANN, Kleinschm., i, 2, 110, 1865; HAMPSON, Proc. Zool. Soc. Lond., 912, 1895.

- *4540. **albinella** CRAMER, Pap. Exot., iv, pl. 372, f. D, So. Am.,
1781. Fla.

syn. *nivea* WALKER, Cat. Brit. Mus., xxviii,
524, 1863.

4541. **perstrialis** HÜBNER, Zutr. exot. Schmett., iii, 18, Fla.
1825.

syn. *serriradiellus* WALKER, Cat. Brit. Mus.,
xxvii, 161, 1863; *macrinellus* ZELLER, Stett.
ent. Zeit., xxvii, 152, 1866; Hor. Soc. Ent.
Ross., xiii, 10, 1877.

SCHÆNOBIUS Duponchel.

DUPONCHEL, Cat. Lép. Eur., 312, 1844; ZELLER, Chil. et Cram., 3, 1863; HEINEMANN, Kleinschm., i, 2, 111, 1865; FERNALD, Ent. Am., iv, 135, 1888; MEYRICK, Handb. Brit. Lep., 400, 1895; HAMPSON, Proc. Zool. Soc. Lond., 915, 1895.

4542. **sordidellus** ZINCKEN, Germ. Mag., iv, 247, 1821; Ga., Fla.,
ZELLER, Chil. et Cram., 4, 1863; FERNALD, Ent. Ill.
Am., iv, 136, 1888.

4543. **unipunctellus** ROBINSON, Ann. Lyc. Nat. Hist. Fla.,
N. Y., ix, 314, 1870; FERNALD, Ent. Am., iv, Ill., Tex.
136, 1888.

4544. **tripunctellus** ROBINSON, Ann. Lyc. Nat. Hist. Tex.
N. Y., ix, 314, 1870; FERNALD, Ent. Am., iv,
136, 1888.

4545. **melinellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., Atl.
205, 1860; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., States.
ix, 313, 1870; FERNALD, Ent. Am., iv, 137, 1888.

a. dispersellus ROBINSON, Ann. Lyc. Nat. Hist. Me. to
N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, Tex.
138, 1888.

b. albicostellus FERNALD, Ent. Am., iv, 138,
1888.

- *4546. **clemensellus** ROBINSON, Ann. Lyc. Nat. Hist. Atl.
N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, States.
138, 1888.

syn. *aquilellus* CLEMENS (not HÜBNER), Proc.
Acad. Nat. Sci. Phil., 205, 1860.

4547. **forficellus** THUNBERG, Diss., v, 98, 1794; STAU- Eur.,
DINGER & REBEL, Cat. Lep. Eur., ii, no. 188, Eastern
1901. States.

syn. *longirostrellus* CLEMENS, Proc. Acad. Nat.
Sci. Phil., 205, 1860; ROBINSON, Ann. Lyc.
Nat. Hist. N. Y., ix, 312, 1870; FERNALD,
Ent. Am., iv, 139, 1888.

- *4548. **maximellus** FERNALD, Can. Ent., xxiii, 30, 1891. Tex.

Subfamily CRAMBINÆ.

(C.=FERNALD, The Crambidæ of No. Am., Sp. Bull. Mass. Agr. Coll., Jan., 1896.)

UINTA Hulst.

HULST, Ent. Am., iv, 116, 1888; FERNALD, C. 12, 1896.

- *4549. **oreadella** HULST, Ent. Am., iv, 116, 1888; FERNALD, C. 13, 1896. Col.

MESOLIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 282, 1888; HAMPSON, Proc. Zool. Soc. Lond., 962, 1895.

- *4550. **incertella** ZINCKEN, Germ. Mag., iv, 253, 1821; ZELLER, Chil. et Cram., 14, 1863; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 315, 1870; FERNALD, C. 15, 1896. N. C., Ga., Ill.
 syn. *olivella* GROTE, Bull. U. S. Geol. Surv., vi, 274, 1881.

PRIONAPTERYX Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 316, 1834; ZELLER, Chil. et Cram., 13, 1863; HAMPSON, Proc. Zool. Soc. Lond., 963, 1895; FERNALD, C. 13, 1896; *Nuarace* WALKER, Cat. Brit. Mus., xxvii, 188, 1863.

4551. **nebulifera** STEPHENS, Ill. Brit. Ent., Haust., iv, 317, 1834; WOOD, Ind. Ent., f. 1484, 1854; ZELLER, Chil. et Cram., 13, 1863; FERNALD, C. 14, 1896. Tex.
4552. **achatina** ZELLER, Chil. et Cram., 13, 1863; FERNALD, C. 14, 1896. Tex., Ariz.
- *4552. 1. **cuneolalis** HULST, Tr. Am. Ent. Soc., xiii, 166, 1886; FERNALD, C. 15, 1896. Tex.

EUGROTEA Fernald.

FERNALD, C. 16, 1896.

- *4553. **dentella** FERNALD, C. 16, 1896. Fla.

PSEUDOSCHÆNOBIUS Fernald.

FERNALD, Smith's List Lep. Bor. Am., 85, 1891; C. 17, 1896.

4554. **opalescalis** HULST, Trans. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 18, 1896. Ariz., Cal.
 syn. *griseosparsa* HAMPSON, Proc. Zool. Soc. Lond., 964, 1895.

RAPHIPTERA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 962, 1895.

4555. **minimella** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., N. Y., Pa.,
ix, 315, 1870; FELT, Gr.-Eat. Ins., 88, 1894; Ill., Tex.
FERNALD, C. 23, 1896.
- *4556. **argillaceëlla** PACKARD, Proc. Bost. Soc. Nat. Lab.
Hist., xi, 54, 1867; FERNALD, C. 24, 1896.

CRAMBUS Fabricius.

FABRICIUS, Ent. Syst., suppl., 464, 1798; LATREILLE, Hist. Nat. Crust. Ins., iii, 416, 1802; xiv, 247, 1805; LEACH, Ed. Ency., ix, 135, 1815; CURTIS, Brit. Ent., iii, 109, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 317, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 52, 1848; ZELLER, Chil. et Cram., 14, 1863; HEINEMANN, Kleinschm., i, 2, 117, 1865; MEYRICK, Trans. Ent. Soc. Lond., 481, 1890; Handb. Brit. Lep., 388, 1895; FERNALD, C. 18, 1896; *Tetrachila* HÜBNER, Tent., 1806; *Palparia* HAWORTH, Lep. Brit., 481, 1811; *Argyroteuchia* HÜBNER, Verz. bek. Schmett., 364, 1826; *Eucarphia* HÜBNER, Verz. bek. Schmett., 364, 1826; *Catoptria* HÜBNER, Verz. bek. Schmett., 364, 1826; *Chrysoteuchia* HÜBNER, Verz. bek. Schmett., 366, 1826; *Thisanotia* HÜBNER, Verz. bek. Schmett., 467, 1826; *Exoria* HÜBNER, Verz. bek. Schmett., 467, 1826; *Carvanca* WALKER, Cat. Brit. Mus., ix, 119, 1856; *Myeza* WALKER, Cat. Brit. Mus., xxvii, 190, 1863; *Arequipa* WALKER, Cat. Brit. Mus., xxvii, 195, 1863; *Calamotropha* ZELLER, Chil. et Cram., 8, 1863.

4557. **satrapellus** ZINCKEN, Germ. Mag., iv, 247, 1821; Ga.,
ZELLER, Chil. et Cram., 16, 1863; FELT, Gr.-Eat. Fla.,
Ins., 89, 1894; FERNALD, C. 22, 1896. Tex.
- syn. *aculeilellus* WALKER, Cat. Brit. Mus.,
xxvii, 158, 1863; *elegantellus* WALKER, Cat.
Brit. Mus., xxvii, 179, 1863.
4558. **hastiferellus** WALKER, Cat. Brit. Mus., xxvii, N. S., Pa.,
155, 1863; FERNALD, C. 22, 1896. Fla., La.
- syn. *quinquareatus* ZELLER, Hor. Soc. Ent.
Ross., xiii, 38, 1877; *extorralis* HULST, Trans.
Am. Ent. Soc., xiii, 165, 1886.
- *4559. **occidentalis** GROTE, Can. Ent., xii, 16, 1880; Can. Cal.
Ent., xiii, 66, 1881; FERNALD, C. 23, 1896.
4560. **hamellus** THUNBERG, Diss. Ent., 97, 1794; Eur.,
HERRICH-SCHAEFFER, Schm. Eur., iv, 53, 1848; Me.
WOOD, Ind. Ent., f. 1491, 1854; STAINTON,
Man., ii, 181, 1859; ZELLER, Chil. et Cram., 17,
1863; HEINEMANN, Kleinschm., i, 2, 119, 1865;
MEYRICK, Handb. Brit. Lep., 389, 1895; FER-
NALD, C. 25, 1896.
- syn. *ensigerella* HÜBNER, Schm. Eur., Tineæ,
pl. liv, f. 367 (false 667), 1803?; ZINCKEN,
Germ. Mag., ii, 53, 1817; TREITSCHKE,
Schm. Eur., ix, 1, 79, 1832; DUPONCHEL,
Hist. Nat. Lép., x, 57, 1836.
4561. **cypridalis** HULST, Trans. Am. Ent. Soc., xiii, Utah.
165, 1886; FERNALD, C. 26, 1896.

- *4562. **carpenterellus** PACKARD, Rep. Hayd. Surv., 548, 1873; FERNALD, C. 26, 1896. Mts. of Col.
4563. **pascuellus** LINNÆUS, Syst. Nat., 535, 1758; Faun. Suec., 355, 1761; FABRICIUS, Syst. Ent., 658, 1775; HÜBNER, Schm. Eur., Tineæ, pl. v, f. 51, 1796; ZINCKEN, Germ. Mag., ii, 49, 1817; TREITSCHKE, Schm. Eur., ix, 1, 75, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 320, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 53, 1848; ZELLER, Chil. et Cram., 20, 1863; HEINEMANN, Kleinschm., i, 2, 120, 1865; MEYRICK, Handb. Brit. Lep., 390, 1895; FERNALD, C. 27, 1896. Eur., Atl. States, Cal.
 syn. *floridus* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 537, 1872; FELT, Gr.-Eat. Ins., 78, 86, 1894.
4564. **girardellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 294, 1860; FELT, Gr.-Eat. Ins., 73, 86, 1894; FERNALD, C. 28, 1896. Can., Atl. States.
 syn. *nivihumellus* WALKER, Cat. Brit. Mus., xxvii, 159, 1863.
4565. **leachellus** ZINCKEN, Germ. Mag., iii, 114, 1818; FELT, Gr.-Eat. Ins., 71, 85, 1894; FERNALD, C. 29, 1896. Me. to Cal.
 syn. *pulchellus* ZELLER, Chil. et Cram., 18, 1863; Verh. zool.-bot. Ges. Wien, xxii, 535, 1872.
4566. **unistriatellus** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 54, 1867; FELT, Gr.-Eat. Ins., 85, 1894; FERNALD, C. 30, 1896. Labr., Atl. States, Minn., Cal.
 syn. *exesus* GROTE, Can. Ent., xii, 16, 1880; No. Am. Ent., i, 68, 1880.
4567. **præfectellus** ZINCKEN, Germ. Mag., iv, 249, 1821; FERNALD, C. 31, 1896. Can., Atl. States, Col.
 syn. *involutellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860.
- *4568. **dissectus** GROTE, Can. Ent., xii, 16, 1880; FERNALD, C. 31, 1896. Me., N. Y.
4569. **bidens** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 535, 1872; FERNALD, C. 32, 1896. Mass., N. Y.
4570. **labradoriensis** CHRISTOPH, Stett. ent. Zeit., xix, 314, 1858; MÖSCHLER, Wien. ent. Mon., iv, 379, 1860; ZELLER, Chil. et Cram., 21, 1863; FERNALD, C. 32, 1896. Labr., Ont., Oreg.

4571. **dumetellus** HÜBNER, Eur. Schmett., Tineæ, pl. lviii, f. 389, 390, 1803†; TREITSCHKE, Schmett. Eur., ix, 1, 80, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 321, 1834; HERRICH-SCHAEFFER, Schmett. Eur., iv, 54, 1848; ZELLER, Chil. et Cram., 24, 1863; HEINEMANN, Kleinschm., i, 2, 122, 1865; MEYRICK, Handb. Brit. Lep., 391, 1895; FERNALD, C. 33, 1896.
 syn. *pratella* HÜBNER, Eur. Schmett., Tineæ, pl. v, f. 29, 1796; *trichusalis* HULST, Trans. Am. Ent. Soc., xiii, 165, 1886. Eur., Tex., Col., Rocky Mts. north of Mont.
- *4572. **gansapalis** HULST, Trans. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 34, 1896. Sierra Nev. Mts., Cal.
4573. **laqueatellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; ZELLER, Chil. et Cram., 24, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FELT, Gr.-Eat. Ins., 79, 89, 1894; FERNALD, C. 35, 1896. Me., Mass., N. Y., Ohio, Ill., Ky., La., Tex.
- syn. *semifusellus* WALKER, Cat. Brit. Mus., xxvii, 159, 1863.
- *4574. **alboclavellus** ZELLER, Chil. et Cram., 19, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FELT, Gr.-Eat. Ins., 77, 88, 1894; FERNALD, C. 36, 1896. Atl. States.
4575. **agitatellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; FELT, Gr.-Eat. Ins., 88, 1894; FERNALD, C. 37, 1896. No. Atl. States, Tex.
- syn. *saltuellus* ZELLER, Chil. et Cram., 22, 1863.
4576. **multilinellus** FERNALD, Ent. Am., iii, 37, 1887. Fla.
- syn. *multilineellus* FERNALD, C. 37, 1896.
4577. **albellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 76, 88, 1894; FERNALD, C. 38, 1896. N. Atl. States.
4578. **pusionellus** ZELLER, Chil. et Cram., 16, 1863; Stett. ent. Zeit., xxxiii, 470, 1872; Hor. Soc. Ent. Ross., xiii, 33, 1877; FERNALD, C. 39, 1896. Cal.
4579. **hortuellus** HÜBNER, Eur. Schm., Tineæ, 29, pl. vii, f. 46, 1796; ZINCKEN, Germ. Mag., ii, 62, 1817; TREITSCHKE, Schm. Eur., ix, 1, 84, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 322, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 59, 1848; ZELLER, Chil. et Cram., 24, 1863; HEINEMANN, Kleinschm., i, 2, 125, 1865; MEYRICK, Handb. Brit. Lep., 391, 1895; FERNALD, C. 40, 1896. Eur., Me., Mass., N. Y., Cal.
- syn. *cespitella* HÜBNER, Eur. Schm., Tineæ, 29, pl. vii, f. 45, 1796; *topiarius* ZELLER, Stett. ent. Zeit., xxvii, 155, 1866; GROTE, Can. Ent., xii, 17, 1880; FELT, Gr.-Eat. Ins., 75, 87, 1894; SCUDDER, Ins. Life, vii, 1, 1894.

4580. **perlellus** SCOPOLI, Ent. Carn., 243, 1763; FABRICIUS, Ent. Syst., iii, 2, 292, 1794; HÜBNER, Schm. Eur., Tineæ, pl. vi, f. 40, 1796; ZINCKEN, Germ. Mag., ii, 97, 1817; TREITSCHKE, Schm. Eur., ix, 1, 129, 1832; HERRICH-SCHAEFFER, Schm. Eur., iv, 66, 1848; ZELLER, Stett. ent. Zeit., ix, 313, 1849; Chil. et Cram., 49, 1863; HEINEMANN, Kleinschm., i, 2, 143, 1865; MEYRICK, Hand. Brit. Lep., 393, 1895; FERNALD, C. 43, 1896. No. Atl. States, Cal.
- syn. *argentella* FABRICIUS, Syst. Ent., 658, 1775; Ent. Syst., iii, 2, 296, 1794; Ent. Syst., suppl., 471, 1798; STEPHENS, Ill. Brit. Ent., Haust., iv, 319, 1834; *argyreus* STEPHENS, Ill. Brit. Ent., Haust., iv, 318, 1834; *arbustorum* STEPHENS, Ill. Brit. Ent., Haust., iv, 319, 1834; *innotatellus* WALKER, Cat. Brit. Mus., xxvii, 156, 1863; FELT, Gr.-Eat. Ins., 74, 87, 1894; *sericinellus* ZELLER, Chil. et Cram., 49, 1863; GROTE, Can. Ent., xiii, 66, 1881; *inornatellus* CLEMENS, Proc. Ent. Soc. Phil., ii, 418, 1864.
4581. **turbatellus** WALKER, Cat. Brit. Mus., xxvii, 196, 1863; FELT, Gr.-Eat. Ins., 86, 1894; FERNALD, C. 44, 1896. Can., N. Y., Pa., Ohio, Ill.
- syn. *bipunctellus* ZELLER, Chil. et Cram., 23, 1863; ROBINSON, Lyc. Nat. Hist. N. Y., ix, 316, 1870.
4582. **elegans** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; ZELLER, Stett. ent. Zeit., xxxiii, 473, 1872; FELT, Gr.-Eat. Ins., 74, 86, 1894; FERNALD, C. 45, 1896. Atl. States.
4583. **myellus** HÜBNER, Eur. Schm., Tineæ, pl. vi, f. 37, 1796; HERRICH-SCHAEFFER, Schm. Eur., iv, 64, 1848; HEINEMANN, Kleinschm., i, 2, 133, 1865; MEYRICK, Handb. Brit. Lep., 392, 1895; FERNALD, C. 46, 1896. Eur., N. S., Me.
- syn. *conchellus* TREITSCHKE, Schm. Eur., ix, 1, 97, 1832; *latiradiellus* WALKER, Cat. Brit. Mus., xxvii, 157, 1863; *interruptus* GROTE, Can. Ent., ix, 101, 1877.
- *4584. **luctuellus** HERRICH-SCHAEFFER, Schm. Eur., vi, 145, 1852; FERNALD, C. 47, 1896. Eur., Labr., Wash.
4585. **vulgivagellus** CLEMENS, Proc. Ac. Nat. Sci. Phil., 204, 1860; SAUNDERS, Can. Ent., xiii, 199, 1881; RILEY, Rept. Dept. Agr., 179, 1881-82; LINTNER, Rep. Ins. N. Y., i, 127, 1882; FERNALD, Stand. Nat. Hist., ii, 433, 1884; FELT, Gr.-Eat. Ins., 69, 85, 1894; FERNALD, C. 47, 1896. No. U. S., Cal.
- syn. *aurifimbrialis* WALKER, Cat. Brit. Mus., xxvii, 157, 1863; *chalybirostris* ZELLER, Chil. et Cram., 40, 1863.

4586. *biothanatalis* HULST, Trans. Am. Ent. Soc., xiii, 166, 1886; FERNALD, C. 49, 1896.
 syn. *behrensellus* FERNALD, Ent. Am., iii, 37, 1887. Cal.
4587. *uricolellus* ZELLER, Chil. et Cram., 40, 1863; FELT, Gr.-Eat. Ins., 67, 1894; FERNALD, C. 49, 1896. No. Atl. States.
- *4588. *anceps* GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 50, 1896. Cal.
4589. *teterrellus* ZINCKEN, Germ. Mag., iv, 252, 1821; MURTFELDT, Bull. U. S. Dept. Agr., no. 30, 53, 1893; FELT, Gr.-Eat. Ins., 66, 84, 1894; FERNALD, C. 51, 1896. Atl. States.
 syn. *annirellus* CLEMENS, Proc. Ac. Nat. Sci. Phil., 203, 1860; *terrellus* ZELLER, Chil. et Cram., 27, 1863.
4590. *decorellus* ZINCKEN, Germ. Mag., iv, 250, 1821; ZELLER, Chil. et Cram., 27, 1863; Verh. zool. bot. Ges. Wien, xxii, 538, 1872; FERNALD, Ent. Amer., iv, 44, 1888; FELT, Gr.-Eat. Ins., 84, 1894; FERNALD, C. 52, 1896. Atl. States.
 syn. *polyactinellus* ZELLER, Chil. et Cram., 25, 1863; *goodellianus* GROTE, Can. Ent., xii, 17, 1880; *bonusculalis* HULST, Tr. Am. Ent. Soc., xiii, 167, 1886.
- *4591. *coloradellus* FERNALD, Can. Ent., xxv, 95, 1893; C. 52, 1896. Col.
- *4592. *bolterellus* FERNALD, Ent. Amer., iii, 37, 1887; C. 53, 1896. Tex.
- *4593. *hulstellus* FERNALD, Can. Ent., xvii, 56, 1885; FELT, Gr.-Eat. Ins., 83, 1894; FERNALD, C. 53, 1896. Tex.
4594. *attenuatus* GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 54, 1896. Br. Col., Cal.
- *4595. *albilineellus* FERNALD, Can. Ent., xxv, 94, 1893; C. 55, 1896. So. Cal.
4596. *haytiellus* ZINCKEN, Germ. Mag., iv, 254, 1821; FERNALD, C. 55, 1896. Tex., Haiti.
- *4597. *trichostomus* CHRISTOPH, Stett. ent. Zeit., xix, 313, 1858; MÖSCHLER, Wien. ent. Mon., iv, 379, 1860; ZELLER, Chil. et Cram., 28, 1863; FERNALD, C. 56, 1896. Labr.
 syn. *albisinuatella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 53, 1867.

4598. **truncatellus** ZETTERSTEDT, Ins. Lap., 995, 1840; ZELLER, Chil. et Cram., 28, 1863; HEINEMANN, Kleinschm., i, 2, 128, 1865. No. Eur., Hudson Bay.
 syn. *lienigiellus* ZELLER, Stett. ent. Zeit., iv, 139, 1843; *abstrusellus* WALKER, Cat. Brit. Mus., xxvii, 158, 1863; *rufinalis* WALKER, Cat. Brit. Mus., xxxiv, 1133, 1865.
- *4599. **oregonicus** GROTE, Can. Ent., xii, 17, 1880; FERNALD, C. 56, 1896. Oreg.
4600. **bonifatellus** HULST, Ent. Am., iii, 135, 1887; FERNALD, C. 57, 1896. Col.
4601. **mutabilis** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 64, 83, 1894; FERNALD, C. 57, 1896. Can. to Tex.
 syn. *fuscicostellus* ZELLER, Chil. et Cram., 44, 1863.
4602. **hemiochrellus** ZELLER, Hor. Soc. Ent. Ross., xiii, 49, 1877; FERNALD, C. 58, 1896. Tex.
- *4603. **undatus** GROTE, Can. Ent., xiii, 35, 1881; FERNALD, C. 58, 1896. Cal.
4604. **trisectus** WALKER, Cat. Brit. Mus., ix, 119, 1856; FERNALD, C. 59, 1896. Atl. States, Col., B. C.
 syn. *interminellus* WALKER, Cat. Brit. Mus., xxvii, 156, 1863; FELT, Gr.-Eat. Ins., 62, 83, 1894; *exsiccatus* ZELLER, Chil. et Cram., 37, 1863; LINTNER, Rep. Ins. N. Y., i, 149, 1882; OSBORN, Rep. Dept. Agr., 154, 1887; *biliturellus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 7, 1874.
- *4605. **laciniellus** GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 60, 1896. Me.
- *4606. **dimidiatellus** GROTE, Ann. Mag. Nat. Hist., (5), ii, 57, 1883; FERNALD, C. 61, 1896. Col., N. Mex.
4607. **caliginosellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 61, 82, 1894; FERNALD, C. 61, 1896. Atl. States.
4608. **zeëllus** FERNALD, Can. Ent., xvii, 55, 1885; FORBES, Third Ill. Rep., 12, 15, 1885; FERNALD, C. 62, 1896. Atl. States, Col.
 syn. *refotalis* HULST, Tr. Am. Ent. Soc., xiii, 166, 1886.
4609. **luteolellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; FELT, Gr.-Eat. Ins., 61, 82, 1894; FERNALD, C. 64, 1896. Me. to Cal.
 syn. *duplicatus* GROTE, Can. Ent., xii, 79, 1880.
- a. **ulæ** COCKERELL, Ent. Mon. Mag., xxiv, 272, 1885; FERNALD, C. 65, 1896. Ariz., Col.

- *4610. *inornatellus* WALKER, Cat. Brit. Mus., xxiv, 157, 1863. Nova Scotia.

THAUMATOPSIS Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 161, 1874; *Properus* GROTE, Can. Ent., xii, 79, 1880.

- *4611. *magnifica* FERNALD, Can. Ent., xxiii, 30, 1891; C. 66, 1896. Col.
4612. *pexella* ZELLER, Chil. et Cram., 48, 1863; FERNALD, C. 66, 1896. Ga., Mo., Col.
- syn. *macropterellus* ZELLER, Chil. et Cram., 48, 1863; *longipalpus* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 161, 1874.
4613. *edonis* GROTE, Can. Ent., xii, 19, 1880; FERNALD, C. 67, 1896. N. C., Kans.
4614. *repanda* GROTE, Can. Ent., xii, 79, 1880; FERNALD, C. 67, 1896. Tex., Ariz., Kans., Col.
- *4615. *striatella* FERNALD, C. 68, 1896. No. Ill.
4616. *pectinifer* ZELLER, Hor. Soc. Ent. Ross., xiii, 51 1877; FERNALD, C. 68, 1896. Tex.

EUFERNALDIA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 224, 1901.

4617. *argenteonervella* HULST, Jn. N. Y. Ent. Soc., viii, 224, 1901. Ariz.

OMMATOPTERYX Kirby.

KIRBY, Handb. Lep., 274, 1897; *Eromene* HÜBNER (not HÜBNER, Verz. bek. Schm., 256), Verz. bek. Schm., 366, 1826; ZELLER, Chil. et Cram., 52, 1863; LEECH, Brit. Pyr., 87, 1886; HAMPSON, Proc. Zool. Soc. Lond., 948, 1895; *Euchromius* GUENÉE (not *Euchromia* HÜBNER), Ind. Méth., 86, 1845; MEYRICK, Trans. Ent. Soc. Lond., 479, 1890; Handb. Brit. Lep., 396, 1895; FERNALD, C. 68, 1896.

4618. *ocellea* HAWORTH, Lep. Brit., 486, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 316, 1834; ZELLER, Chil. et Cram., 54, 1863; LEECH, Brit. Pyr., 87, 1886; MEYRICK, Handb. Brit. Lep., 396, 1895; HAMPSON, Moths Ind., iv, 24, 1896; FERNALD, C. 69, 1896. Eur., No. Africa, So. Asia, Australia, Hawaii, Tex., Ariz., Cal.
- syn. *funiculella* TREITSCHKE, Schm. Eur., ix, 1, 200, 1832; ZELLER, Isis, vi, 175, 1839; *cyrilella* COSTA, Faun. Nap. Lep., 2, 1832-36; *cyrilli* ZELLER, Isis, xiv, 760, 1847; HER- RICH-SCHAEFFER, Schm. Eur., iv, 67, 1848; *texana* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 155, 1870; *californicalis* PACK- ARD, Ann. Lyc. Nat. Hist. N. Y., x, 264, 1873.

4619. *virescens* HULST, Jn. N. Y. Ent. Soc., viii, 225, 1901. Ariz.

ARGYRIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 28, 1818; Verz. bek. Schmett., 372, 1826; WALKER, Cat. Brit. Mus., xxx, 976, 1864; FERNALD, C. 70, 1896; *Urola* WALKER, Cat. Brit. Mus., xxvii, 181, 1863; *Catharylla* ZELLER, Chil. et Cram., 50, 1863; *Ptychopseustis* MEYRICK, Trans. Ent. Soc. Lond., 521, 1889.

4620. **nivalis** DRURY, Ill. Exot. Ent., ii, 25, 1773; FERNALD, No. Am. Ent., 100, 1880; FELT, Can. Ent., xxvii, 96, 1894; FERNALD, C. 71, 1896. Atl.
States.

syn. *argentata* EMMONS, Nat. Hist. N. Y. Agr., v, pl. 40, 1854; *michrochysella* WALKER, Cat. Brit. Mus., xxvii, 181, 1863; *nummulalis* ZELLER, Chil. et Cram., 51, 1863.

4621. **argentana** MARTYN, Psyche, pl. xxxii, f. 95, 1797; FERNALD, C. 71, 1896. Pa., Ga.,
Fla., Ill.

syn. *nummulalis* HÜBNER, Zutr. exot. Schmett., i, 30, f. 185, 186, 1818; FERNALD, No. Am. Ent., 101, 1880; *subaenescens* WALKER, Cat. Brit. Mus., xxvii, 182, 1863; *fuscipes* ZELLER, Chil. et Cram., 51, 1863.

4622. **auratella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FERNALD, C. 72, 1896. Me. to
Cal.

syn. *pulchella* WALKER, Cat. Brit. Mus., xxvii, 183, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 541, 1872.

4623. **lacteëlla** FABRICIUS, Ent. Syst., iii, 2, 313, 1794; HEDEMAN, Stett. ent. Zeit., iv, 300, 1894; FERNALD, C. 72, 1896. Fla., Tex.,
W. I., So.
Am.

syn. *albana* FABRICIUS, Ent. Syst., Suppl., 476, 1798; HEDEMAN, Stett. ent. Zeit., iv, 300, 1894; *pussillalis* HÜBNER, Zutr. exot. Schm., i, 28, 1818; *abronalis* WALKER, Cat. Brit. Mus., xix, 969, 1859; *lusella* ZELLER, Chil. et Cram., 51, 1863; *rufisignella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 542, 1872; *pontiella* ZELLER, Hor. Soc. Ent. Ross., xiii, 59, 1877.

DIATRÆA Guilding.

GUILDING, Trans. Soc. Enc. Arts, xlvi, 143, 1832; ZELLER, Hor. Soc. Ent. Ross, xvi, 8, 1881; FERNALD, Ent. Am., iv, 119, 1888; HAMPSON, Proc. Zool. Soc. Lond., 953, 1895; FERNALD, C. 73, 1896.

4624. **saccharalis** FABRICIUS, Ent. Syst., iii, 2, 238, 1794; COMSTOCK, Rept. Dept. Agr., 1880, 240, 1881; RILEY & HOWARD, Ins. Life, iii, 64, 1890; HOWARD, Ins. Life, iv, 95, 1891; BRUNER, Rep. Neb. St. Bd. Ag., 262, 1891; FERNALD, C. 74, 1896. So. States,
W. I.,
Cent. & So.
Am.,
Hawaii.

syn. *leucaniellus* WALKER, Cat. Brit. Mus., xxvii, 161, 1863; *lineosellus* WALKER, Cat. Brit. Mus., xxvii, 162, 1863; *obliteratellus* ZELLER, Chil. et Cram., 8, 1863; *crambidoides* GROTE, Can. Ent., xii, 15, 1880.

- *4625. *alleni* FERNALD, Ent. Am., iv, 120, 1888; C. 75, 1896. Me.
- *4626. *differentialis* FERNALD, Ent. Am., iv, 120, 1888; C. 76, 1896. Fla.
4627. *idalis* FERNALD, C. 76, 1896. N. J., Ga.

CHILO Zincken.

ZINCKEN, Germ. Mag., ii, 33, 1817; STEPHENS, Ill. Brit. Ent., Haust., iv, 330, 1834; TREITSCHKE, Schm. Eur., ix, 1, 60, 1832; WESTWOOD, Syn. Gen. Brit. Ins., 114, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 50, 1848; ZELLER, Chil. et Cram., 6, 1863; HEINEMANN, Kleinschm., i, 2, 112, 1865; MEYRICK, Trans. Ent. Soc. Lond., 480, 1890; Handb. Brit. Lep., 397, 1895; HAMPSON, Proc. Zool. Soc. Lond., 954, 1895; FERNALD, C. 77, 1896; *Epina* WALKER, Cat. Brit. Mus., xxxv, 1707, 1866; *Donacoscaptes* ZELLER, Hor. Soc. Ent. Ross, xiv, 1877; *Diphrys* GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881.

4628. *plejadellus* ZINCKEN, Germ. Mag., iv, 251, 1821; ZELLER, Chil. et Cram., 26, 1863; FERNALD, C. 78, 1896. Pa., Ga., La., Wis.

syn. *sabulifera* WALKER, Cat. Brit. Mus., xxvii, 185, 1863; *prolatella* GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881; *oryzaëllus* RILEY, Rep. Dep. Agr., 15, 1882.

4629. *densellus* ZELLER, Hor. Soc. Ent. Ross., xvi, 5, 1881; FERNALD, C. 79, 1896. Fla., Tex., Ill.
- syn. *multilineatella* HULST, Ent. Am., iii, 134, 1887.

4630. *squamulellus* ZELLER, Hor. Soc. Ent. Ross., xvi, 5, 1881; FERNALD, C. 79, 1896. Tex.

4631. *comptulatalis* HULST, Tr. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 80, 1896. Ill., Mo., Col., Neb., Vanc. Id.

4632. *forbesellus* FERNALD, C. 80, 1896. N. Y., Ill.

CHALCOËLA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 528, 1872; HAMPSON, Proc. Zool. Soc. Lond., 958, 1895.

4633. *iphitalis* WALKER, Cat. Brit. Mus., xvii, 444, 1859. So. States.
- syn. *aurifera* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 529, 1872.

DICYMOLOMIA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 530, 1872; HAMPSON, Proc. Zool. Soc. Lond., 959, 1895.

4634. *julianalis* WALKER, Cat. Brit. Mus., xvii, 438, 1859. So. States.
- syn. *decora* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 531, 1872.

4635. **metalliferalis** PACKARD, Ann. Lyc. Nat. Hist. Cal.
N. Y., x, 265, 1873.
syn. *sauberi* HEDEMAN, Verh. Ver. Hamb., v,
Anhang, 3, 1880.
4636. **pegasalis** WALKER, Cat. Brit. Mus., xvii, 438, So. States,
1859. W. I.
syn. *principalis* WALKER, Cat. Brit. Mus.,
xxxiv, 1333, 1865; *egressalis* WALKER, Cat.
Brit. Mus., xxxiv, 1335, 1865; *robinsonii*
GROTE, Can. Ent., iii, 181, 1871.

Subfamily GALLERIINÆ.

MELISSOBLAPTES Zeller.

ZELLER, Isis, 180, 1839.

- *4636. 1. **fuscolimbellus** RAGONOT, Diag. Nouv. Phyc. (Unknown.)
Gall., 20, 1887.

GALLERIA Fabricius.

FABRICIUS, Suppl. Ent., 419, 1798.

4636. 2. **mellonella** LINNÆUS, Syst. Nat., 537, 1758; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 11, U. S.
1901.
syn. *cereana* LINNÆUS, *cerella* FABRICIUS,
obliquella WALKER.

PARALIPSA Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), iv, 454, 1879.

4636. 3. **fulminalis** ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxii, 560, 1872.
- *4636. 4. **fulvulus** ZELLER, Verh. zool.-bot. Ges. Wien, N. Y.
xxiii, 212, 1873.
- *4636. 5. **decurella** HULST, Can. Ent., xxiv, 63, 1892. N. Y., Can.

APHOMIA Hübner.

HÜBNER, Verz. bek. Schmett., 369, 1816.

4636. 6. **sociella** LINNÆUS, Syst. Nat., 534, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 8, 1901. Eur.,
U. S.
syn. *colonella* LINNÆUS, *tribunella* SCHIFFER-
MÜLLER.

ACHROIA Hübner.

HÜBNER, Verz. bek. Schmett., 163, 1816.

4636. 7. **grisella** FABRICIUS, Ent. Syst., iii, 2, 289, 1794; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3, U. S.
1901.

Subfamily EPIPASCHIINÆ.

By GEORGE D. HULST.

EPIPASCHIA Clemens.

CLEMENS, Proc. Acad. Sci. Phil., 14, 1860; GROTE, Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; Bull. Geol. Surv. Terr., iv, 685, 1878; N. Am. Ent., i, 9, 1879; MEYRICK, Trans. Ent. Soc. Lond., 62, 1884; 187, 1887; HULST, Ent. Amer., v, 50, 1889; HAMPSON, Trans. Ent. Soc. Lond., 463, 465, 1896; *Mochlocera* GROTE, Can. Ent., viii, 151, 1876; Bull. Geol. Surv. Terr., iv, 686, 1878; N. Am. Ent., i, 9, pl. 2, f. 2, 1879; MEYRICK, Trans. Ent. Soc. Lond., 187, 1887; *Catamola* MEYRICK, Trans. Ent. Soc. Lond., 63, 280, 1884; 187, 1887; *Astropometis* MEYRICK, Trans. Ent. Soc. Lond., 67, 1884; 187, 1887.

4637. **superatalis** CLEMENS, Proc. Acad. Sci. Phil., 14, 1860; GROTE, Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; Bull. Geol. Surv. Terr., iv, 686, 1878; N. Am. Ent., i, 9, pl. 1, f. 1, 1879; HULST, Ent. Amer., v, 51, 1889. U. S., east of plains, Ont., Col.

syn. *borealis* GROTE, Bull. Buff. Soc., i, 177, 1873; ii, 77, 1874; Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; *olivalis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886.

- *4638. **interruptella** RAGONOT, Ann. Soc. Ent. Fr., Séances, Oct. 10, p. cl, 1888. Ariz.

4639. **zelleri** GROTE, Can. Ent., viii, 157, 1876; Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 686, 1878; No. Am. Ent., i, pl. 2, f. 2, 1879; HULST, Ent. Amer., v, 52, 1889. Mo., Tex., N. Mex.

CACOZELIA Grote.

GROTE, Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 687, 1878; No. Am. Ent. i, 10, pl. 2, f. 3, 1879; MEYRICK, Trans. Ent. Soc. Lond., 65, 1884; 187, 1887; HULST, Ent. Amer., v, 63, 1889.

4640. **basiochrealis** GROTE, Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 687, 1878; No. Am. Ent., i, 10, pl. 2, f. 3, 1879; HULST, Ent. Amer., v. 62, 1889. Tex., Col.

JOCARA Walker.

WALKER, Cat. Brit. Mus., xxvii, 115, 1863; HAMPSON, Trans. Ent. Soc. Lond., 460, 1896; *Toripalpus* GROTE, Proc. Bost. Soc. Nat. Hist., xix, 265, 1877; HULST, Ent. Amer., v, 62, 1889; HAMPSON, Trans. Ent. Soc. Lond., 460, 1896; *Titanoceros* MEYRICK, Trans. Ent. Soc. Lond., 62, 1884; HAMPSON, Trans. Ent. Soc. Lond., 460, 1896; *Winona* HULST, Ent. Amer., iv, 113, 1887.

4641. **incrustalis** HULST, Ent. Amer., iii, 130, 1887; v, 62, 1889; DYAR, Proc. U. S. Nat. Mus., xxiii, 283, 1900. Col., Fla.

4642. **breviornatalis** GROTE, Proc. Bost. Soc. Nat. Hist., xix, 265, 1877; Bull. Geol. Surv. Terr., iv, 688, 1878; No. Am. Ent., i, 10, pl. 2, f. 4, 1879; HULST, Ent. Amer., v, 63, 1889. Gulf States, Col.

4643. **dentilineella** HULST, Jn. N. Y. Ent. Soc., viii, 221, 1900. Ariz.

ONEIDA Hulst.

HULST, Ent. Amer., v, 63, 1889; HAMPSON, Tr. Ent. Soc. Lond., 455, 1896.

4644. *lunulalis* HULST, Ent. Amer., iii, 130, 1887; v, 64, 1889. N. Y.,
Ont.
- *4645. *luniferella* HULST, Can. Ent., xxvii, 53, 1895. Col.

YUMA Hulst.

HULST, Ent. Amer., v, 65, 1889.

4646. *trabalis* GROTE, Pap., i, 18, 1881; HULST, Ent. Amer., v, 63, 1889; RAGONOT, Mon. Phyc., pl. 3, f. 23, 1893. Tex.,
Col.
- syn. *adulatalis* HULST, Ent. Amer., iii, 129, 1887; v, 65, 1889.

TALLULA Hulst.

HULST, Ent. Amer., iv, 114, 1888; v, 72, 1889; HAMPSON, Trans. Ent. Soc. Lond., 458, 1896.

4647. *atrifascialis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886; Ent. Amer., iv, 115, 1888; v, 73, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896. Gulf States,
Col.

BENTA Walker.

WALKER, Cat. Brit. Mus., xxvii, 112, 1863; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896; *Saluda* HULST, Ent. Amer., iv, 113, 1888; v, 66, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4648. *asperatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 207, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 691, 1878; HULST, Ent. Amer., iv, 113, 1888; v, 67, 1889. Ont., Eastern
& Gulf States,
Tex., Col.,
Wis., Ariz.

syn. *expandens* WALKER, Cat. Brit. Mus., xxvii, 112, 1863; HULST, Trans. Am. Ent. Soc., xvii, 221, 1890; *fuscolotella* RAGONOT, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888.

4649. *malanogrammos* ZELLER, Ver. zool.-bot. Ges. Wien, xxii, 546, pl. 3, f. 24a, b, 1872; GROTE, Bull. Geol. Surv. Terr., iv, 689, 1877; HULST, Ent. Amer., v, 67, 1889. N. Y., Fla.,
Tex., Col.

a. diluculella GROTE, No. Am. Ent., i, 60, 68, pl. 5, f. 10, 1880; Rep. Dept. Agr., 263, 1880.

syn. *talleolalis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886; Ent. Amer., iii, 22, 1887; v, 67, 1889.

4650. *floridella* HULST, Jn. N. Y. Ent. Soc., viii, 221, 1901. Fla.

4651. *speciosella* HULST, Jn. N. Y. Ent. Soc., viii, 222, 1901. Fla.

LANTHAPE Clemens.

CLEMENS, Proc. Acad. Sci. Phil., 207, 1860; HULST, Ent. Amer., v, 66, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4652. *platanella* CLEMENS, Proc. Acad. Sci. Phil., 207, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 691, 1878; HULST, Ent. Amer., iv, 114, 1888; v, 66, 1889. Eastern U. S., Col.

TIOGA Hulst.

HULST, Ent. Amer., iv, 113, 1888; v, 69, 1889; HAMPSON, Trans. Ent. Soc. Lond., 455, 1896.

4653. *aplastella* HULST, Ent. Amer., iv, 113, 1888; v, 69, 1889. Tex., Col., Fla.

WANDA Hulst.

HULST, Ent. Amer., iv, 114, 1888; v, 69, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4654. *baptisiella* FERNALD, Ent. Amer., iii, 128, 1887; HULST, Ent. Amer., iv, 114, 1888; v, 70, 1889. N. Y., Mo.

4655. *tiltella* HULST, Ent. Amer., iv, 114, 1888; v, 70, 1889. Tex.

TETRALOPHA Zeller.

ZELLER, Isis, 880, 1848; GROTE, Bull. Geol. Surv. Terr., iv, 688, 1878; No. Am. Ent., i, 10, pl. 2, f. 5, 1879; HULST, Ent. Amer., v, 69, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896; *Katona* HULST, Ent. Amer., iv, 113, 1888; v, 69, 1889; *Loma* HULST, Ent. Amer., iv, 114, 1888; v, 69, 1889.

- *4656. *nephelotella* HULST, Ent. Amer., iv, 114, 1888; v, 70, 1889. Pa., Tex.

4657. *robustella* ZELLER, Isis, 881, 1848; GROTE, Bull. Geol. Surv. Terr., iv, 690, 1878; HULST, Ent. Amer., v, 71, 1889. Tex., Col.

4658. *militella* ZELLER, Isis, 880, 1848; GROTE, Bull. Geol. Surv. Terr., iv, 689, 1878; HULST, Ent. Amer., v, 71, 1889. Tex.

- *4659. *formosella* HULST, Can. Ent., xxxii, 169, 1900. Tex.

- *4660. *slossonii* HULST, Can. Ent., xxvii, 53, 1895. Fla.

4661. *euphemella* HULST, Ent. Amer., iv, 113, 1888; v, 71, 1889. Tex.

4662. *humerella* RAGONOT, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888. Tex.

POCOCERA Zeller.

ZELLER, Isis, 874, 1848; HAMPSON, Tr. Ent. Soc. Lond., 456, 1896.

4663. *variella* RAGONOT, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888. Tex.

syn. *melanographella* RAGONOT, Ann. Soc. Ent. Fr., Séances, clii, Oct. 10, 1888.

4664. *subcanalis* WALKER, Cat. Brit. Mus., xxvii, 56, Tex.
1863.

syn. *teranella* RAGONOT, Ann. Soc. Ent. Fr.,
Séances, clii, Oct. 10, 1888.

ATTACAPA Hulst.

HULST, Ent. Amer., v, 71, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4665. *callipeplella* HULST, Ent. Amer., iv, 114, 1888; v, Tex.,
71, 1889. Cal.

DYARIA Neumoegen.

NEUMOEGEN, Can. Ent., xxv, 214, 1893.

4666. *singularis* NEUMOEGEN, Can. Ent., xxv, 214, 1893; Me.?
DYAR, Can. Ent., xxxii, 284, 1900. (= *Cænodo-*
mus hockingii WALSINGHAM?)

Subfamily PHYCITINÆ.

By GEORGE D. HULST.

(C. = RAGONOT, Mon. Phyc. Gall., Romanoff, Mém. Lép., vii, 1893.)

TRACHYCERA Ragonot.

RAGONOT, C. 2, 1893.

- *4667. *pallicornella* RAGONOT, Diag. N. Am. Phyc., 119, Tex.
1890; C. 2.

SARASOTA Hulst.

HULST, Jn. N. Y. Ent. Soc., vii, 222, 1901.

4668. *plumigerella* HULST, Jn. N. Y. Ent. Soc., vii, 222, Fla.
1901.

MYELOIS Hübner.

HÜBNER, Verz. bek. Schmett., 371, 1818; ZELLER, Isis, 176, 1839; 729, 1843; 585, 681,
1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 95, 1849; HEINEMANN, Pyr., 178, 1865;
MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 211, 1878; vii, 155, 1882; RAGONOT, Ent.
Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 116, 1890; RAGONOT,
C. 25.

- *4669. *transitella* WALKER, Cat. Brit. Mus., xxvii, 54, Fla.
1863; HULST, Trans. Am. Ent. Soc., xvii, 218,
1890; RAGONOT, C. 42.
syn. *notatalis* WALKER.

- *4670. *subtetricella* RAGONOT, Ent. Amer., v, 113, 1889; No. Am.
C. 47.

4671. *obnupsella* HULST, Trans. Am. Ent. Soc., xvii, Ont., Fla.,
118, 1890; RAGONOT, C. 48. Pa.

- *4672. *minutulella* HULST, Ent. Amer., iii, 136, 1887; RAGONOT, C. 48. Tex.
- *4673. *texanella* HULST, Can. Ent., xxiv, 60, 1892. Tex.
- *4674. *zonulella* RAGONOT, Ent. Amer., v, 117, 1889; C. 49. Ill.
4675. *leucophæella* HULST, Can. Ent., xxiv, 60, 1892. Col.
4676. *bistriatella* HULST, Ent. Amer., iii, 136, 1887; RAGONOT, C. 51. N. Y., D. C., Iowa, Fla., Wis., Col.
syn. *bilineatella* RAGONOT, Diag. N. Am. Phyc., 3, 1887; C. 48; *immundella* HULST, Trans. Am. Ent. Soc., xvii, 117, 1890; RAGONOT, C. 49.
- *4677. *grossipunctella* RAGONOT, Diag. Nov. Gen. Sp. Phyc., 8, 1887; C. 51. Cal.
- *4678. *alatella* HULST, Ent. Amer., iii, 135, 1887; RAGONOT, C. 52. N. J., N. Mex., Ariz., Cal.
syn. *rectistrigella* RAGONOT.
- *4679. *dulciella* HULST, Can. Ent., xxxii, 176, 1900. Fla.
- *4680. *corniella* RAGONOT, Diag. N. Am. Phyc., 2, 1887; C. 53. Nev., Cal., Ariz.
syn. *coniella* HULST, Sm. List. Lep. Bor. Amer., no. 4254, 1891.
- *4681. *duplipunctella* RAGONOT, Diag. N. Am. Phyc., 2, 1887; C. 56. Fla.

RHODOPHÆA Guenée.

- GUENÉE, Ann. Soc. Ent. Fr., 312, 1845; Index Méth., 74, 1845; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 119, 1890; C. 68.
4682. *hystriuclella* HULST, Ent. Amer., iii, 135, 1887; RAGONOT, C. 73. Tex.
- *4683. *exsulella* ZELLER, Isis, 868, 1848; HULST, Trans. Am. Ent. Soc., xvii, 120, 1890; RAGONOT, C. 80. N. C., Ga.

ACROCAULA Hulst.

HULST, Can. Ent., xxxii, 169, 1900.

- *4684. *comacornella* HULST, Can. Ent., xxxii, 170, 1900. Tex.

ACROBASIS Zeller.

- ZELLER, Isis, 176, 1839; 731, 1846; 585, 606, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 99, 1849; HEINEMANN, Pyr., 175, 1865; GROTE, Bull. Geol. Surv. Terr., iv, 692, 1878; No. Am. Ent., i, 10, 1879; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 120, 1890; RAGONOT, C. 85.
4685. *palliolella* RAGONOT, Diag. N. Am. Phyc., 4, 1887; C. 92. Ont.
syn. *albocapitella* HULST.

- *4686. **demotella** GROTE, Pap., i, 14, 1881; Bull. Geol. Surv. Terr., vi, 590, 1882; RAGONOT, C. 103. Ont. to N. Y.
4687. **angusella** GROTE, No. Am. Ent., i, 51, 1880; Bull. Geol. Surv. Terr., vi, 590, 1880; RAGONOT, C. 104. Ont., N. Y.
4688. **caryæ** GROTE, Pap., i, 13, 1881; HULST, Trans. Am. Ent. Soc., xvii, 122, 1890; RAGONOT, C. 105. Mass., N. Y., Ill., Tex.
syn. *minimella* RAGONOT.
- *4689. **nigrosignella** HULST, Trans. Am. Ent. Soc., xvii, 123, 1890; RAGONOT, C. 105. Tex.
- *4690. **caryivorella** RAGONOT, Diag. N. Am. Phyc., 4, 1887; C. 108. Mo.
syn. *caryævorella* HULST, Trans. Am. Ent. Soc., xvii, 121, 1890; *canjivorella* HULST, Sm. List Lep. Bor.-Amer., no. 4262, 1891.
- *4691. **cirroferella** HULST, Can. Ent., xxiv, 60, 1892. Tex., Col.
4692. **rubrifasciella** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 267, 1873; RAGONOT, C. 106. N. Eng., N. Y., Col.
4693. **betulella** HULST, Trans. Am. Ent. Soc., xvii, 125, 1890; RAGONOT, C. 107. N. Y., N. H., Col.
4694. **comptoniella** HULST, Trans. Am. Ent. Soc., xvii, 125, 1890; RAGONOT, C. 108. N. Eng., N. Y.
4695. **hebescella** HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 109. N. J., Tex., Ill., Wis.
- *4696. **fructetella** HULST, Can. Ent., xxiv, 59, 1892. Tex., Ariz., Col.

MINEOLA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 86.

- *4697. **scitulella** HULST, Can. Ent., xxxii, 169, 1900. Col.
4698. **tricolorella** GROTE, Bull. Geol. Surv. Terr., iv, 694, 1878; RAGONOT, C. 93. Cal., Nev., Me.
4699. **rubescetella** HULST, Can. Ent., xxxii, 169, 1900. Tenn.
4700. **amplexella** RAGONOT, Diag. N. Am. Phyc., 3, 1887; C. 97. Atl. States.
- *4701. **caliginella** HULST, Ent. Amer., iii, 131, 1887; v, 156, 1889; RAGONOT, C. 115. Cal., Ariz., N. Mex.
syn. *comptella* RAGONOT.
4702. **juglandis** LE BARON, Ins. Ills., ii, 123, 1872; RAGONOT, C. 120. Atl. States.
4703. **vaccinii** RILEY, Can. Ent., xvi, 237, 1884; RAGONOT, C. 121. N. Eng., N. J., Tex.

4704. **indigenella** ZELLER, Isis, 651, 1848; RAGONOT, Atl. States.
C. 118.

syn. *nebulo* WALSH, *zelatella* HULST.

a. **nebulella** RILEY, Ins. Mo., iv, 41, 1872; RAGONOT, C. 118.

ULOPHORA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., Séances, 7, 1890; HULST, Trans. Am. Ent. Soc., xvii, 222, 1890; RAGONOT, C. 155.

*4705. **grotei** RAGONOT, Ann. Soc. Ent. Fr., Séances, p. N. C.
vii, 1890; HULST, Trans. Am. Ent. Soc., xvii,
222, 1890; RAGONOT, C. 156.

PIESMOPODA Zeller.

ZELLER, Isis, 606, 683, 1848; HULST, Trans. Am. Ent. Soc., xvii, 132, 1890; RAGONOT, C. 158.

*4706. **subrufella** HULST, Ent. Amer., iii, 132, 1887; Fla.
RAGONOT, C. 166.

*4707. **filiolella** HULST, Ent. Amer., iv, 117, 1888; Fla.,
RAGONOT, C. 166. Tex.

PHYCITOPSIS Ragonot.

RAGONOT, Diag. No. Am. Phyc., 4, 1887; HULST, Trans. Am. Ent. Soc., xvii, 133, 1890;
RAGONOT, C. 185.

*4708. **flavicornella** RAGONOT, Diag. No. Am. Phyc., 4, Tex.
1887; C. 185.

DIORYCTRIA Zeller.

ZELLER, Isis, 732, 1846; 585, 1848; HEINEMANN, Pyr., 148, 1865; RAGONOT, Ent. Mon.
Mag., xxii, 52, 1885; C. 187.

*4709. **clarioralis** WALKER, Cat. Brit. Mus., xxvii, 54, U. S.,
1863; HULST, Trans. Am. Ent. Soc., xvii, 136, Fla.?
1890; RAGONOT, C. 193.

*4710. **aurantiacella** GROTE, Trans. Kans. Acad. Sci., Col., N. Mex.,
viii, 57, 1883; Ann. Mag. Nat. Hist., (5), xi, 57, Ariz.
1883; RAGONOT, C. 194.

syn. *miniatella* RAGONOT.

4711. **abietella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Atl. States,
Wien, x, 138, 1776; STAUDINGER & REBEL, Cat. Col., Wash.,
Lep. Eur. ii, no. 700, 1901; RAGONOT, C. 198. Europe.

syn. *decuriella* HÜBNER, *sylvestrella* RATZEBURG, *abietivorella* GROTE.

*4712. **reniculella** GROTE, No. Am. Ent., i, 67, 1880; Atl. States.
RAGONOT, C. 200.

MONOPTILOTA Hulst.

HULST, Can. Ent., xxxii, 13, 1900.

4713. **nubilella** HULST, Can. Ent., xxxii, 13, 1900. Md., Fla.,
Ala.
4714. **actualis** HULST, Trans. Am. Ent. Soc., xiii, 161, Col.
1886; RAGONOT, C. 203.

PINIPESTIS Grote.

GROTE, Can. Ent., x, 19, 1878; Bull. Geol. Surv. Terr., iv, 699, 1878; HULST, Trans.
Am. Ent. Soc., xvii, 136, 1890.

4715. **zimmermanni** GROTE, Can. Ent., ix, 161, 1877; x, N. Y.,
19, 1878; PACKARD, Ins. Inj. to Shade Trees, Pa.
182, 1881; GROTE, No. Am. Ent., i, 11, pl. 2, f.
10, 1879; ZIMMERMANN, Can. Ent., x, 20, 1878;
RAGONOT, C. 190.
- *4716. **amatella** HULST, Ent. Amer., iii, 131, 1887; Fla.
RAGONOT, C. 191.
- *4717. **pygmælla** RAGONOT, Diag. No. Am. Phyc., 5, N. C.,
1887; C. 192. Fla.
- *4718. **albovittella** HULST, Trans. Am. Ent. Soc., xvii, N. Mex.,
138, 1890; RAGONOT, C. 193. Col.
- syn. *gulosella* HULST, Trans. Am. Ent. Soc.,
xvii, 126, 1890; RAGONOT, C. 109; *elegantella*
HULST, Can. Ent., xxvii, 59, 1895.
- *4719. **umbripennis** HULST, Can. Ent., xxvii, 57, 1895. Col.

TACOMA Hulst.

HULST, Ent. Amer., iv, 115, 1888; Trans. Am. Ent. Soc., xvii, 139, 1890; RAGONOT,
C. 205.

4720. **feriella** HULST, Ent. Amer., iv, 115, 1888; RAGO- Tex.
NOT, C. 205.

DASYPYGA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 5, 1887; HULST, Trans. Am. Ent. Soc., xvii, 138,
1890; RAGONOT, C. 206.

- *4721. **alternosquamella** RAGONOT, Diag. No. Am. Phyc., Cal.,
5, 1887; C. 206. Ariz.
- a. stictophorella* RAGONOT, Diag. No. Am. Phyc.,
5, 1887; C. 206.

PROMYLEA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 5, 1887; HULST, Trans. Am. Ent. Soc., xvii, 139, 1890.
RAGONOT, C. 207.

- *4722. **lunigerella** RAGONOT, Diag. No. Am. Phyc., 5, Vancouvi
1887; C. 208. Id.

GLYPTOCERA Ragonot.

RAGONOT, Ent. Amer., v, 114, 1889; Ann. Soc. Ent. Fr., Séances, Jan. 8, vii, 1890; HULST, Trans. Am. Ent. Soc., xvii, 140, 1890; RAGONOT, C. 209.

- *4723. **consobrinella** ZELLER, Verh. zool.-bot. Ges. Wien, Fla.,
528, 1872; RAGONOT, C. 210. Tex.

ORTHOLEPIS Ragonot.

RAGONOT, Diag. No. Am. Phyc., 6, 1887; HULST, Trans. Am. Ent. Soc., xvii, 140, 1890; RAGONOT, C. 214.

- *4724. **jugosella** RAGONOT, Diag. No. Am. Phyc., 6, 1887; Cal.?
C. 214.

POLOPEUSTIS Ragonot.

RAGONOT, C. 232, 1893.

- *4725 **annulatella** ZETTERSTEDT, Ins. Lap., 997, 1840; Lab.,
RAGONOT, C. 233. Eur.
syn. *altensis* WOCKE; MÖSCHLER, Verh. zool.-
bot. Ges. Wien, 309, 1884.

AMBESA Grote.

GROTE, No. Am. Ent., i, 98, 1880; HULST, Trans. Am. Ent. Soc., xvii, 141, 1890; RAGONOT, C. 237; *Pristophora* RAGONOT, Ann. Soc. Ent. Fr., 229, 1887; C. 242.

- *4726. **walsinghami** RAGONOT, Diag. No. Am. Phyc., 6, Col.,
1887; C. 239. Ariz.

4727. **lætella** GROTE, No. Am. Ent., i, 98, 1880; RAGONOT, C. 240. Col.

- *4728. **lallatalis** HULST, Trans. Am. Ent. Soc., xiii, 161, Col.,
1885; RAGONOT, C. 241. Nev.
syn. *denticulella* RAGONOT, *brucei* HULST,
Can. Ent., xxvii, 55, 1895.

- *4729. **niviella** HULST, Ent. Amer., iv, 117, 1888; RAGONOT, C. 241. Col.

NEPHOPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 731, 732, 1846; 585, 1848; HER-
RICH-SCHAEFFER, Eur. Schm., iv, 78, 1849; HEINEMANN, Pyr., 149, 1865; GROTE,
Bull. Geol. Surv. Terr., iv, 695, 1878; No. Am. Ent., i, 11, 1879; MEYRICK, Proc.
Linn. Soc. N. S. Wales, iii, 201, 1878; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885;
HULST, Trans. Am. Ent. Soc., xvii, 142, 1890; RAGONOT, C. 241.

4730. **scobiella** GROTE, No. Am. Ent., i, 51, 1880; RAGONOT, C. 266. Tex.,
N. Mex.
syn. *decimcella* HULST.

4731. **pergratialis** HULST, Trans. Am. Ent. Soc., xiii, Ga.,
162, 1886; RAGONOT, C. 267. Fla.
syn. *grotella* RAGONOT.

- *4732. **modestella** HULST, Can. Ent., xxxii, 170, 1900. Mass.

4733. **furfurella** HULST, Ent. Amer., iii, 131, 1887; Fla.,
RAGONOT, C. 269. Tex.
4734. **ovalis** PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, East. U. S.,
269, 1873; GROTE, No. Am. Ent., i, 11, pl. 2, f. Col., Cal.,
9, 1880; RAGONOT, C. 269. Tex.
syn. *latifasciella* PACKARD.
a. geminipunctella RAGONOT, Diag. No. Amer.
Phyc., 7, 1887; C. 269.
- *4735. **rhypodella** HULST, Ent. Amer., iii, 137, 1887; Ill., Cal.,
RAGONOT, C. 270. Tex.
syn. *curvatella* RAGONOT.
- *4736. **fasciolalis** HULST, Trans. Am. Ent. Soc., xiii, Cal., Nev.,
162, 1886; RAGONOT, C. 271. Brit. Col.
- *4737. **hypochalciella** RAGONOT, Diag. No. Am. Phyc., Wash.
7, 1887; C. 272.
- *4738. **rubrisparsella** RAGONOT, Diag. No. Am. Phyc., 6, Tex.
1887; C. 284.
syn. *rufibasella* RAGONOT; *croceella* HULST.
- *4739. **crassifasciella** RAGONOT, Diag. No. Am. Phyc., Cal.
8, 1887; C. 285.
- *4740. **inquilinella** RAGONOT, Diag. No. Am. Phyc., 8, Wis.
1887; C. 290.
- *4741. **gilvibasella** HULST, Trans. Am. Ent. Soc., xvii, Tex.
145, 1890; C. 289.
- *4742. **subtinctella** RAGONOT, Diag. No. Am. Phyc., 7, Cal.
1887; C. 302.

TLASCALA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 146, 1890; RAGONOT, C. 255.

- *4743. **finitella** WALKER, Cat. Brit. Mus., xxvii, 53, N. Sco., Fla.,
1863; RAGONOT, C. 282. Col.
4744. **reductella** WALKER, Cat. Brit. Mus., xxvii, 62, S. C., Ohio,
1863; RAGONOT, C. 283. N. Y.
syn. *gleditschiella* FERNALD.

MEROPTERA Grote.

- GROTE, Can. Ent., xiv, 29, 1882; HULST, Trans. Am. Ent. Soc., xvii, 148, 1890;
RAGONOT, C. 321; *Oreana* HULST, Ent. Amer., iv, 115, 1888.
- *4745. **mirandella** RAGONOT, Mon. Phyc. Gall., i, 313, Col.
1893.
4746. **pravella** GROTE, Bull. Geol. Surv. Terr., iv, 694, East. U.
1878; RAGONOT, C. 314. Col., Or
- *4747. **uvinella** RAGONOT, Diag. No. Am. Phyc., 8, 1887; U. S.?
C. 315.

- *4748. *unicolorella* HULST, Ent. Amer., iii, 136, 1887; C. 315. Ont., Wash.
- *4749. *canescentella* HULST, Trans. Am. Ent. Soc., xvii, 149, 1890; RAGONOT, C. 319. Tex.

SALEBRIA Zeller.

ZELLER, Isis, 733, 1846; 779, 1848; HEINEMANN, Pyr., 155, 1865; GROTE, Bull. Geol. Surv. Terr., iv, 695, 1878; No. Am. Ent., i, 11, 1879; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 149, 1893; RAGONOT, C. 327.

- *4750. *pumilella* RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 344. Col., Tex., N. Mex., Ariz.
4751. *nubiferella* RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 344. Tex., Col.
- *4752. *turpidella* RAGONOT, Mon. Phyc. Gall., i, 346, pl. 13, f. 24, 1893. Mass., Col.
4753. *annulosella* RAGONOT, Diag. No. Am. Phyc., 7, 1887; C. 346. Mass., Tex., Col.
- *4754. *tenebrosella* HULST, Ent. Amer., iii, 136, 1887; RAGONOT, C. 347. S. C., Tex.
syn. *quercicolella* RAGONOT.
- *4755. *delectella* HULST, Can. Ent., xxvii, 57, 1895. Col.
4756. *laevigatella* HULST, Can. Ent., xxiv, 61, 1892. Col.
- *4757. *afflictella* HULST, Can. Ent., xxxii, 170, 1900. N. J.
- *4758. *nigricans* HULST, Can. Ent., xxxii, 171, 1900. Ariz.
4759. *contatella* GROTE, No. Am. Ent., i, 49, 1880; RAGONOT, C. 348. East. U. S., Col., Can.
syn. *subcaesiella* CLEMENS, Proc. Acad. Sci. Phil., 206, 1860.
a. quinquepunctella GROTE, No. Am. Ent., i, 50, 68, pl. 5, f. 6, 1880; RAGONOT, C. 348.
syn. *virgatella* CLEMENS, Proc. Acad. Sci. Phil., 206, 1860.
b. inconditella RAGONOT, Mon. Phyc. Gall., i, 348, pl. 15, f. 2, 1893.
4760. *celtidella* HULST, Trans. Am. Ent. Soc., xvii, 155, 1890; RAGONOT, C. 354. N. Eng., N. Y., Fla.
- *4761. *pudibundella* RAGONOT, Mon. Phyc. Gall., i, 350, 1893. Col.
4762. *georgiella* HULST, Can. Ent., xxvii, 57, 1895. Fla.
- *4763. *subfuscella* RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 351. Tex.
- *4764. *slossonella* HULST, Can. Ent., xxxii, 170, 1900. Fla.
- *4765. *lacteella* HULST, Can. Ent., xxxii, 171, 1900. Tex.

4766. **semiobscura** HULST, Trans. Am. Ent. Soc., N. Y., Tex.,
xvii, 151, 1890; RAGONOT, C. 352. Col.
4767. **basilaris** ZELLER, Ver. zool.-bot. Ges. Wien, Mass., Col.,
xxii, 548, pl. 3, f. 23, 1872; GROTE, No. Am. Tex.
Ent., i, 51, 1880; RAGONOT, C. 353.
- *4768. **aliculella** HULST, Ent. Amer., iii, 135, 1887; Ariz.
RAGONOT, C. 367.
syn. *oberthurella* RAGONOT.
- *4769. **bifasciella** HULST, Ent. Amer., iii, 132, 1887; Ariz.
RAGONOT, C. 366.
- *4770. **odiosella** HULST, Ent. Amer., iii, 132, 1887; Tex.,
RAGONOT, C. 366. Col.
- *4771. **carneella** HULST, Ent. Amer., iii, 131, 1887; Me.,
RAGONOT, C. 367. Mass.
- *4772. **purpurella** HULST, Can. Ent., xxiv, 61, 1892. Ill.

PASSADENA Hulst.

HULST, Can. Ent., xxxii, 171, 1900.

4773. **constantella** HULST, Can. Ent., xxxii, 171, 1900. S. C.

MYRLÆA Ragonot.

RAGONOT, Mon. Phyc. Gall., i, 394, 1893.

- *4774. **tarmitalis** HULST, Trans. Am. Ent. Soc., xiii, Col.
163, 1886; RAGONOT, C. 401.
4775. **delassalis** HULST, Trans. Am. Ent. Soc., xiii, 161, Col., Ariz.,
1886; RAGONOT, C. 402. N. Mex.
syn. *fernaldi* RAGONOT.

LAODAMIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 22, 1888; HULST, Trans. Am. Ent. Soc., xvii,
156, 1890; RAGONOT, C. 403.

4776. **fusca** HAWORTH, Lep. Brit., 493, 1828; WEST- Arctic Am.,
WOOD & HUMPHREYS, Brit. Moths, ii, 232, pl. 115, Eur.
f. 29, 1849; WALLENGREN, Pyr., 1036, 1859;
GROTE, No. Am. Ent., i, 11, pl. 2, f. 7, 1879;
MÖSCHLER, Stett. ent. Zeit., 393, 1880; Ver.
zool.-bot. Ges. Wien, 309, 1884; FREY, Lep.
Schw., 274, 1880; RAGONOT, C. 408.
- syn. *spadaceella* ZINCKEN, *carbonariella*
FISCHER, *posticella* ZETTERSTEDT, *janthi-*
nella DUPONCHEL, *mæstella* WALKER, *undu-*
latella WALKER, Cat. Brit. Mus., xxxv,
1711, 1866; *cacabella* HULST.
- a. **frigidella** PACKARD, Proc. Bost. Soc. Nat. Hist.,
53, 1866; RAGONOT, C. 408.

ELASMOPALPUS Blanchard.

BLANCHARD, Gay, Hist. Chili, Zool., vii, 104, 1852; HULST, Trans. Am. Ent. Soc., xvii, 157, 1890; RAGONOT, C. 418.

- *4777. **decoralis** WALKER, Cat. Brit. Mus., xxvii, 42, 1863; RAGONOT, C. 420. U. S.

syn. *metagrammalis* WALKER, *decorellus* HULST, Sm. List Lep. Bor. Am., no. 4341, 1902.

4778. **petrellus** ZELLER, Isis, 771, 1846; RAGONOT, C. 421. N. C., Ga., Fla., Tex., Col., So. Am.

syn. *erectalis* WALKER, *rubiginella* WALKER, *rufinalis* WALKER, *hypsella* HULST, *obsipella* HULST.

- *4779. **floridellus** HULST, Trans. Am. Ent. Soc., xvii, 158, 1890; RAGONOT, C. 422. Fla., Ariz.

- *4780. **melanellus** HULST, Trans. Am. Ent. Soc., xvii, 157, 1890; RAGONOT, C. 424. Fla.

4781. **lignosellus** ZELLER, Isis, 883, 1848; RAGONOT, C. 425. Atl. States, So. Am.

syn. *angustellus* BLANCHARD.

a. **incautellus** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 544, 1872; RAGONOT, C. 425.

b. **tartarellus** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 544, 1872; RAGONOT, C. 425.

syn. *carbonellus* HULST.

SELAGIA Hübner.

HÜBNER, Verz. bek. Schmett., 371, 1818; ZELLER, Isis, 732, 1846; 752, 1848; HEINEMANN, Pyr., 153, 1865; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 159, 1890; RAGONOT, C. 467.

- *4782. **australella** HULST, Can. Ent., xxxii, 174, 1900. Tex.

- *4783. **lithosella** RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 474. Ariz.

PYLA Grote.

GROTE, Check List, 55, 66, 1882; Pap., i, 18, 1881; RAGONOT, Diag. No. Am. Phyc., 9, 1887; HULST, Trans. Am. Ent. Soc., xvii, 161, 1890; RAGONOT, C. 481.

4784. **scintillans** GROTE, Pap., i, 18, 1881; RAGONOT, C. 482. Cal., Nev.

- *4785. **metallicella** HULST, Can. Ent., xxvii, 54, 1895. Col.

- *4786. **bistriatella** HULST, Can. Ent., xxvii, 54, 1895. Cal.

- *4787. **incorruscella** HULST, Can. Ent., xxvii, 55, 1895. Col.

- *4788. **æneella** HULST, Can. Ent., xxvii, 55, 1895. Col.

- *4789. **æneoviridella** RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 482. N. Y.

ANORISTIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 236, 1887; C. 486.

- *4790. **olivella** HULST, Ent. Am., iv, 117, 1888; RAGONOT, C. 487. Cal.

EPISCHNIA Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 178, 1839; 585, 644, 737, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 89, 1849; HEINEMANN, Pyr., 171, 1865; MEYRICK, Proc. Linn. Soc. N. S. Wales, iv, 229, 1879; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 162, 1890; RAGONOT, C. 493; *Pima* HULST, Ent. Amer., iv, 114, 1888; Trans. Am. Ent. Soc., xvii, 164, 1890.

- *4791. **runderella** RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 514. Cal.

- *4792. **albiplagiatella** PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, 269, 1873; RAGONOT, C. 518. Col.
syn. *fosterella* HULST.

4793. **boisduvaliella** GUENÉE, Ann. Soc. Ent. Fr., 318, 1845; RAGONOT, C. 518. Mass.,
Mont., Col.,
Tex., Cal.
syn. *farrella* CURTIS, Ann. Soc. Nat. Hist., iv, 114, 1850; RAGONOT, C. 518; *lafauryella* COMSTOCK, *leucoloma* SNELLEN.

a. **tabulella** RAGONOT, Mon. Phyc. Gall., 519, 1893.

- *4794. **albocostalis** HULST, Trans. Am. Ent. Soc., xiii, 164, 1886; RAGONOT, C. 519. Cal.

- *4795. **subcostella** RAGONOT, Diag. No. Am. Phyc., 10, 1887; C. 520. Utah.

- *4796. **fulvirugella** RAGONOT, Diag. No. Am. Phyc., 10, 1887; C. 521. Col.,
Cal.

- *4797. **incanella** HULST, Can. Ent., xxvii, 56, 1895. Col.

- *4798. **granitella** RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 523. Col.,
Cal.

GETULIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 26, 1888; C. 527.

- *4799. **flavidorsella** RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 528. Ariz.,
Mex.

MEGASIS Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 309, 1845; HEINEMANN, Pyr., 170, 1865; HULST, Trans. Am. Ent. Soc., xvii, 164, 1890; RAGONOT, C. 537.

- *4800. **edwardsialis** HULST, Trans. Am. Ent. Soc., xiii, 163, 1886; RAGONOT, C. 545. Cal., Nev.,
Col.

syn. *polyphemella* RAGONOT.

- *4801. **excantalis** HULST, Trans. Am. Ent. Soc., xiii, 1886; C. 547. Cal.

syn. *pullatella* RAGONOT.

4802. **atrella** HULST, Trans. Am. Ent. Soc., xvii, 166, Col.
1890; RAGONOT, C. 548.
4803. **cinctella** HULST, Can. Ent., xxxii, 172, 1900. Cal.

LIPOGRAPHIS Ragonot.

RAGONOT, Diag. No. Am. Phyc., 10, 1887; HULST, Trans. Am. Ent. Soc., xvii, 166, 1890;
RAGONOT, C. 562.

- *4804. **humilis** RAGONOT, Diag. No. Am. Phyc., 11, Cal.
1887; C. 563.
- *4805. **fenestrella** PACKARD, Ann. N. Y. Lyc. Nat. Hist., Cal.
x, 259, 1873; RAGONOT, C. 564.
- *4806. **leoninella** PACKARD, Ann. N. Y. Lyc. Nat. Hist. Cal., Col.,
x, 259, 1873; RAGONOT, C. 565. Nebr.

ETIELLA Zeller.

ZELLER, Isis, 179, 1839; 733, 1846; HEINEMANN, Pyr., 154, 1865; MEYRICK, Proc.
Linn. Soc. N. S. Wales, iii, 203, 1878; vii, 156, 1882; HULST, Trans. Am. Ent. Soc.,
xvii, 169, 1890; RAGONOT, C. 569; *Ramphodes* GUENÉE, Ann. Soc. Ent. France, 319,
1845; ZELLER, Hor. Soc. Ent. Ross., xvi, 177, 1880; *Mella* WALKER, Cat. Brit. Mus.,
xix, 1017, 1859; *Asara* WALKER, Cat. Brit. Mus., xxvii, 79, 1863; *Modiana* WALKER,
Cat. Brit. Mus., xxvii, 83, 1863; *Alata* WALKER, Cat. Brit. Mus., xxvii, 108, 1863;
Arucha WALKER, Cat. Brit. Mus., xxvii, 201, 1863.

4807. **zinckenella** TREITSCHKE, Schm. Eur., ix, 1, 201, Can., U. S.,
1832; STAUDINGER & REBEL, Cat. Lep. Eur., Eur.
ii, no. 510, 1901; RAGONOT, C. 572.

syn. *etiella* TREITSCHKE, *maiorella* COSTA,
colonellus COSTA, *dymnusalis* WALKER,
albocostalis WALKER, *scittivitalis* WALKER,
anticalis WALKER, *indicatalis* WALKER,
hastiferella WALKER, *heraldella* GUENÉE,
madagascariensis SAALMÜLLER, *sabulinus*
BUTLER, *spartiella* BOND.

- *4808. **schisticolor** ZELLER, Hor. Soc. Ent. Ross., xvi, Cal., Col.,
178, 1881; RAGONOT, C. 574. Ariz.
- syn. *villosella* HULST.

- *4809. **rubribasella** HULST, Trans. Am. Ent. Soc., xvii Fla.,
170, 1890; RAGONOT, C. 572. Col.

HYPOCHALCIA Hübner.

HÜBNER, Verz. bek. Schmett., 367, 1818; ZELLER, Isis, 585, 1848; HERRICH-SCHAEFFER,
Eur. Schm., iv, 85, 1849; HEINEMANN, Pyr., 165, 1865; RAGONOT, Ent. Mon. Mag.,
xxii, 18, 1885; HULST, Trans. Am. Ent. Soc., xvii, 168, 1890; RAGONOT, C. 578.

- *4810. **hulstiella** RAGONOT, Diag. No. Am. Phyc., ii, Tex.
1887; C. 603.

SARATA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 11, 1887; C. 614.

- *4811. **nigrofasciella** RAGONOT, Diag. No. Am. Phyc., Col.,
11, 1887; C. 615. Ariz.

- *4812. **tephrella** RAGONOT, C. 616, 1893. Wash.
 *4813. **perfuscalis** HULST, Trans. Am. Ent. Soc., xiii, 161, Cal.
 1886; RAGONOT, C. 616.
 syn. *dnoposella* RAGONOT.
 *4814. **cinereella** HULST, Can. Ent., xxxii, 172, 1900. Col.

MELITARA Walker.

WALKER, Cat. Brit. Mus., xxvii, 136, 1863; HULST, Trans. Am. Ent. Soc., xvii, 171, 1890; *Megaphycis* GROTE, Can. Ent., xiv, 29, 1882.

4816. **prodenialis** WALKER, Cat. Brit. Mus., xxvii, 137, Fla., Tex.,
 1863; HULST, Trans. Am. Ent. Soc., xvii, 171, Col., W. I.
 1890.

syn. *bollii* ZELLER, Verh. zool.-bot. Ges. Wien, 550, pl. 3, f. 21, 1872; GROTE, Can. Ent., xiv, 29, 1882; SNELLEN, Tidsk. Ent., xxx, 64, pl. 5, f. 64, 6, 6a, 1886.

4817. **dentata** GROTE, Can. Ent., viii, 158, 1876; xiv, 29, Col.
 1882; HULST, Trans. Am. Ent. Soc., xvii, 172,
 1890; KELLOGG, Kans. Univ. Quar., i, 40, pl. 8,
 1892.

4818. **junctolineella** HULST, Can. Ent., xxxii, 173, 1900. Tex., Col.

4819. **fernaldialis** HULST, Trans. Am. Ent. Soc., xiii, Ariz.
 163, 1886; xvii, 172, 1890. Mex.

YOSEMETIA Ragonot.

New generic name proposed by Ragonot in manuscript for *graciella* HULST.

4820. **graciella** HULST, Ent. Amer., iii, 134, 1887; Trans. Tex., Col.,
 Am. Ent. Soc., xvii, 173, 1890. Ariz.
a. longipennella HULST, Ent. Amer., iv, 117, 1888.

ZOPHODIA Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 176, 1839; 679, 1848; HER-
 RICH-SCHAEFFER, Eur. Schm., iv, 90, 1849; HEINEMANN, Pyr., 189, 1865; MEYRICK,
 Trans. Linn. Soc. N. S. Wales, vii, 156, 1882; RAGONOT, Ent. Mon. Mag., xxii, 19,
 1885; HULST, Trans. Am. Ent. Soc., xvii, 172, 1890; *Dakrura* GROTE, Bull. Geol.
 Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, 1879; Pap., i, 152, 1882; RILEY, Pap.,
 i, 108, 1882.

4821. **grossulariæ** RILEY, Rept. Ins. Mo., i, 140, 1869; N.-E.
 Pap., i, 108, 1881; PACKARD, Guide Stud. Ins., U. S.,
 331, 1869; FRENCH, Rept. Dept. Agr. Ill., vii, Can.
 251, 1877; GROTE, No. Am. Ent., i, 11, pl. 2, f.
 12, 1880; i, 68, 1880; Pap., i, 142, 1881; HULST,
 Trans. Am. Ent. Soc., xvii, 173, 1890.

syn. *turbitella* GROTE, Bull. Geol. Surv. Terr.,
 iv, 702, 703, 1878.

- *4822. **dilatifasciella** RAGONOT, Diag. No. Am. Phyc., Ariz.,
 13, 1887; HULST, Trans. Am. Ent. Soc., xvii, Mex.
 174, 1890.

- *4823. **packardella** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 173, 1890. Cal.
4824. **glaucatella** HULST, Ent. Amer., iv, 117, 1888; Trans. Am. Ent. Soc., xvii, 174, 1890. Tex., N. Mex.
4825. **bella** HULST, Can. Ent., xxiv, 61, 1892. Mass.
4826. **fuscatella** HULST, Can. Ent., xxxii, 173, 1900. Cal.
4827. **epischnioides** HULST, Can. Ent., xxxii, 173, 1900. N. Mex.

ECCOPSIA Ragonot.

New generic name proposed by Ragonot in manuscript for *serratilineella* RAGONOT.

4828. **serratilineella** RAGONOT, Diag. No. Am. Phyc., 15, 1887; HULST, Trans. Am. Ent. Soc. xvii, 179, 1890. Cal.

EUZOPHERA Zeller.

ZELLER, Stett. ent. Zeit., xxviii, 377, 1867; RAGONOT, Ent. Mon. Mag., xxii, 30, 1885; MEYRICK, Proc. Linn. Soc. N. S. Wales, iv, 239, 1879; vii, 156, 1882; HULST, Trans. Am. Ent. Soc., xvii, 174, 1890; *Stenoptycha* ZELLER (not AGASSIZ), Stett. ent. Zeit., 154, 1863; HEINEMANN, Pyr., 190, 1865; *Melia* HEINEMANN (not BILLBERG), Pyr., 209, 1865.

- *4829. **ostricorella** HULST, Trans. Am. Ent. Soc., xvii, 175, 1890. N. Y.
4830. **nigricantella** RAGONOT, Diag. No. Am. Phyc., 14, 1887; HULST, Trans. Am. Ent. Soc., xvii, 177, 1890. Ariz.
- *4831. **franconiella** HULST, Trans. Am. Ent. Soc., xvii, 177, 1890. N. H.
4832. **semifuneralis** WALKER, Cat. Brit. Mus., xxvii, 57, 1863; HULST, Trans. Am. Ent. Soc., xvii, 175, 1890. U. S.
- syn. *impletella* ZELLER, Hor. Soc. Ent. Ross., xvi, 234, pl. 12, f. 37, 1881; *pallulella* HULST, Trans. Am. Ent. Soc., xvii, 175, 1890.
- *4833. **æglæella** RAGONOT, Diag. No. Am. Phyc., 14, 1887; HULST, Trans. Am. Ent. Soc., xvii, 177, 1890. Utah.
- syn. *aglaella* HULST, Sm. List Lep. Bor. Am., no. 4379, 1891.
- *4834. **inornatella** HULST, Can. Ent., xxxii, 173, 1900. N. J.
4835. **ochrifrontella** ZELLER, Verh. zool.-bot. Ges. Wien, 337, 1875; HULST, Trans. Am. Ent. Soc., 177, 1890. East. U. S., Tex.
- syn. *ferruginella* RAGONOT, Diag. No. Am. Phyc., 14, 1887.

SENECA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 177, 1890.

- *4836. **tumidulella** RAGONOT, Diag. No. Am. Phyc., 13, Fla.
1887; HULST, Trans. Am. Ent. Soc., xvii, 178,
1890.

VITULA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 14, 1887; HULST, Trans. Am. Ent. Soc., xvii, 178, 1890.

4838. **edmandsii** PACKARD, Proc. Essex Inst., iv, 120, East. U. S.,
1864; Guide Stud. Ins., 331, pl. 3, f. 2, 1869; Tex.
HULST, Ent. Amer., v, 156, 1889; Trans. Am.
Ent. Soc., xvii, 178, 1890.

syn. *dentosella* RAGONOT, Diag. No. Am. Phyc.,
14, 1887.

4839. **basimaculella** RAGONOT, Diag. No. Am. Phyc., Col.
15, 1887; HULST, Trans. Am. Ent. Soc., xvii,
179, 1890.

LAOSTICHA Ragonot.

New generic name proposed by Ragonot in manuscript for *ephestiella* RAGONOT.

- *4841. **ephestiella** RAGONOT, Diag. No. Am. Phyc., 13, Ariz.
1887; HULST, Trans. Am. Ent. Soc., xvii, 185,
1890.

LÆTILIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., Séances, Jan. 8, p. viii, 1890; HULST, Trans. Am. Ent. Soc., xvii, 182, 1890.

4842. **coccidivora** COMSTOCK, No. Am. Ent., i, 25, pl. East. U. S.,
4, 1879; Rept. U. S. Dept. Agr., 241, 1880; Tex.,
PACKARD, Ins. Inj. to Shade Trees, 54, 1881; N. Mex.,
HULST, Trans. Am. Ent. Soc., xvii, 182, 1890. Ariz.

syn. *pallida* COMSTOCK, Rept. U. S. Dept.
Agr., 243, 1880.

- a. hultii* COCKERELL, Am. Nat., xxxi, 588, 1897. N. Mex.

CANARSIA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 179, 1890.

4843. **ulmiarrosorella** CLEMENS, Proc. Acad. Sci. Phil., East. U. S.,
205, 1860; GROTE, Bull. Geol. Surv. Terr., iv, Tex.,
698, 1878; HULST, Trans. Am. Ent. Soc., xvii, Ont.
180, 1890.

syn. *pneumatella* HULST, Ent. Amer., iii, 137,
1887; *ulmella* RAGONOT, Diag. No. Am.
Phyc., 13, 1887; *fuscatella* HULST, Ent.
Amer., iv, 118, 1888.

- *4844. **gracilella** HULST, Can. Ent., xxxii, 174, 1900. N. J.

4845. **hammondi** RILEY, Rept. Ins. Mo., iv, 46, f. 21, 1872; Index Repts. Ins. Mo., 80, 1881; FRENCH, Rept. Dept. Agr. Ill., xv, 252, 1877; HULST, Trans. Am. Ent. Soc., xvii, 181, 1890. East. U. S., Tex., Ont.

STAUDINGERIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 249, 1887; HULST, Trans. Am. Ent. Soc., xvii, 185, 1890.

4846. **albipennella** HULST, Ent. Amer., iii, 133, 1887; Trans. Am. Ent. Soc., xvii, 186, 1890. Cal., Ariz.

HETEROGRAPHIS Ragonot.

RAGONOT, Ent. Mon. Mag., xxii, 31, 1885; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890; *Mona* HULST, Ent. Amer., iv, 115, 1888.

4847. **morrisonella** RAGONOT, Diag. No. Am. Phyc., 11, 1887; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890. Tex., Col., N. Mex., Ariz.

a. coloradensis RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890.

b. olbiella HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 186, 1890.

4848. **arizonella** HULST, Jn. N. Y. Ent. Soc., viii, 222, 1901. Ariz.

HULSTEA Ragonot.

New generic name proposed by Ragonot in manuscript for *undulatella* CLEMENS.

- *4849. **undulatella** CLEMENS, Proc. Acad. Sci. Phil., 205, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 698, 1878; PACKARD, Ins. Inj. to Shade Trees, 69, 1881; HULST, Trans. Am. Ent. Soc., xvii, 187, 1890. U. S., Ont., Queb.

syn. *propriella* WALKER, Cat. Brit. Mus., xxxv, 1716, 1866.

- *4850. **texanella** HULST, Can. Ent., xxxii, 174, 1900. Tex.

HONORA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, 1879; HULST, Trans. Am. Ent. Soc., xvii, 187, 1890.

4851. **mellinella** GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, pl. 2, f. 11, 1879; HULST, Trans. Am. Ent. Soc., xvii, 188, 1890. Tex., Col., N. Mex., Cal.

syn. *ochrimaculella* RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890.

- *4852. **sciurella** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890. Cal.

- *4853. *subsciurella* RAGONOT, Diag. No. Am. Phyc., Col.
12, 1887; HULST, Trans. Am. Ent. Soc., xvii,
189, 1890.
4854. *luteella* HULST, Jn. N. Y. Ent. Soc., viii, 223, Ariz.
1901.
4855. *cinerella* HULST, Jn. N. Y. Ent. Soc., viii, 223, Ariz.
1901.
4856. *dulciella* HULST, Jn. N. Y. Ent. Soc., viii, 223, Fla.
1901.
- *4857. *montinatatella* HULST, Ent. Amer., iii, 134, 1887; Cal.,
v, 156, 1889; Trans. Am. Ent. Soc., xvii, 189, Nev.
1890.
syn. *canicostella* RAGONOT, Diag. No. Am.
Phyc., 12, 1887.
- *4858. *fumosella* HULST, Can. Ent., xxxii, 174, 1900. N. J.

DOLICHORHINIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 28, 1888; HULST, Trans. Am. Ent. Soc., xvii, 190,
1890; *Macrorrhinia* RAGONOT (not *Macrorhinus* LATREILLE), Diag. No. Am. Phyc.,
13, 1887.

4859. *aureofasciella* RAGONOT, Diag. No. Am. Phyc., Tex., Cal.,
13, 1887; HULST, Trans. Am. Ent. Soc., xvii, Ariz.
190, 1890. Col.

DIVIANA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 27, 1888; HULST, Trans. Am. Ent. Soc., xvii,
190, 1890.

- *4860. *eudoriella* RAGONOT, Nouv. Gén. Spec. Phyc., N. C.
27, 1888; C. pl. 23, f. 12, 1893; HULST, Trans.
Am. Ent. Soc., xvii, 190, 1890.

OCALA Hulst.

HULST, Can. Ent., xxiv, 61, 1892.

- *4861. *dryadella* HULST, Can. Ent., xxiv, 61, 1892. Fla.

PALATKA Hulst.

HULST, Can. Ent., xxiv, 62, 1892.

- *4862. *nymphæella* HULST, Can. Ent., xxiv, 62, 1892. Fla.

EURYTHMIDIA Ragonot.

New generic name proposed by Ragonot in manuscript for *ignidorsella* RAGONOT.

- *4863. *ignidorsella* RAGONOT, Diag. No. Am. Phyc., 16, Ariz.
1887; HULST, Trans. Am. Ent. Soc., xvii, 196,
1890.

HOMŒOSOMA Curtis.

CURTIS, Brit. Ent., iv, 311, 1834; STEPHENS, Ills., iv, 311, 1834; ZELLER, Isis, 585, 599, 1848; Hor. Soc. Ent. Ross., xvi, 237, 1881; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 233, 1849; HERRICH-SCHAEFFER, Eur. Schm., iv, 103, 1849; HEINEMANN, Pyr., 196, 1865; GROTE, Bull. Geol. Surv. Terr., iv, 703, 1878; No. Am. Ent., i, 12, 1879; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 214, 1878; vii, 159, 1882; RAGONOT, Ent. Mon. Mag., xxii, 26, 1885; HULST, Trans. Am. Ent. Soc., xvii, 191, 1890; *Phycidea* ZELLER, Isis, 178, 1839; *Lotria* GUENÉE, Ann. Soc. Ent. Fr., 320, 1845.

4864. **impressale** HULST, Trans. Am. Ent. Soc., xiii, 163, 1886; xvii, 191, 1890. Cal., Ariz.
4865. **electellum** HULST, Ent. Amer., iii, 137, 1887; Trans. Am. Ent. Soc., xvii, 193, 1890. Tex., Iowa, N. Mex., Col.
syn. *texanellum* RAGONOT, Diag. No. Am. Phyc., 15, 1887.
- *4866. **opalescellum** HULST, Ent. Amer., iii, 138, 1887; Trans. Am. Ent. Soc., xvii, 192, 1890. Tex., Cal.
syn. *tenuipunctellum* RAGONOT, Diag. No. Am. Phyc., 15, 1887.
4867. **illuvellum** RAGONOT, Nouv. Gén. Spec. Phyc., 33, 1888; HULST, Ent. Amer., v, 155, 1889; Trans. Am. Ent. Soc., xvii, 192, 1890. Col., Ariz., Mex.
syn. *candidellum* HULST, Ent. Amer., iv, 118, 1888.
4868. **uncanale** HULST, Trans. Am. Ent. Soc., xiii, 162, 1886; xvii, 192, 1890. Fla., Col., Nev.
- *4869. **albiscentellum** RAGONOT, Diag. No. Am. Phyc., 15, 1887; HULST, Trans. Am. Ent. Soc., xvii, 192, 1890. Cal.
4870. **stypicellum** GROTE, Bull. Geol. Surv. Terr., iv, 703, 1878; No. Am. Ent., i, 12, pl. 2, f. 13, 1879; HULST, Trans. Am. Ent. Soc., xvii, 193, 1890. N.-E. U. S., Tex.
4871. **mucidellum** RAGONOT, Diag. No. Am. Phyc., 15, 1887; HULST, Trans. Am. Ent. Soc., xvii, 193, 1890. Tex., Col., N. Mex., Cal.
- *4872. **anguliferellum** RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 192, 1890. No. Am.

EPHESTIA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 319, 1845; ZELLER, Isis, 588, 592, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 110, 1849; HEINEMANN, Pyr., 201, 1865; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 215, 1878; iv, 234, 1879; vii, 160, 1882; HULST, Trans. Am. Ent. Soc., xvii, 197, 1890.

4873. **fuscofasciella** RAGONOT, Diag. No. Am. Phyc., 17, 1887; HULST, Trans. Am. Ent. Soc., xvii, 198, 1890. Mo., Tex., Col., N. Mex.

4874. **kuehniella** ZELLER, Stett. ent. Zeit., 476, 1879; SNELLEN, Tidsk. Ent., xxviii, 237, pl. 8, 1885; THOMPSON, Ent., xx, 66, 1887; BARRETT, Ent., xxiii, 255, 1887; RILEY, Ins. Life, i, 315, 1888; ii, 166, 1889; v, 141, 276, 1892; vi, 44, 290, 1893; OMEROD, Ins. Life, i, 314, 1889; FLETCHER, Ins. Life, ii, 187, 1889; Can. Ent., xxii, 41, 1890; BELL, Am. Nat., 200, 1890; HULST, Trans. Am. Ent. Soc., xvii, 198, 1890; DANYOZ, Mem. Lab. Par. Veg., 1, 1893; HOWARD, Ins. Life, vii, 417, 1895; JOHNSON, Rep. Ent. Ill., xix, app., 1896; CHITTENDEN, Dept. Agr., Farm. Bull., 45, 8, f. 4, 5, 1896; RAGONOT, C., pl. 2, f. 19, 1893; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 254, 1901. N. S., Ont., Quebec, Eur.
- syn. *gitonella* DRUCE; *sericarium* SCOTT, Proc. Zool. Soc. Lond., 207, 1859.
- *4875. **cautella** WALKER, Cat. Brit. Mus., xxvii, 73, 1863; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 271, 1901. Eur., U. S.
- syn. *cahiritella* ZELLER, *passulella* BARR, *desuetella* WALKER.
- *4876. **figulilella** GREGSON, Ent., v, 385, 1865; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 258, 1901. Eur., U. S.?
- syn. *ficulella* BARRETT, *milleri* ZELLER.
4877. **rileyella** RAGONOT, Diag. No. Am. Phyc., 17, 1887; HULST, Trans. Am. Ent. Soc., xvii, 198, 1890. Utah, N. Mex.
4878. **nigrella** HULST, Trans. Am. Ent. Soc., xvii, 200, 1890. Tex., Ariz., Cal.
4879. **elutella** HÜBNER, Eur. Schm., pl. 24, 163, 1820; ZINCKEN, Germ. Mag., iii, 175, 1818; TREITSCHKE, Schm. Eur., ix, 1, 194, 1832; DUPONCHEL, Hist. Nat., x, 279, 1836; STEPHENS, Ills., iv, 304, 1834; WOOD, Ind. Ent., 1454, 1839; ZELLER, Isis, 592, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 110, 1849; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 229, pl. 115, f. 7, 1849; HEINEMANN, Pyr., 201, 1865; MORRIS, Brit. Moths, iii, pl. 79, f. 18, 1872; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 215, 1878; Trans. Ent. Soc. Lond., 261, 1887; ZELLER, Verh. zool.-bot. Ges. Wien, 338, 1876; MÖSCHLER, Stett. ent. Zeit., 393, 1880; Verh. zool.-bot. Ges. Wien, 310, 1884; WALLENGREN, Skand. Pyr., 1053, 1872; SNELLEN, Vlind. Neth., ii, 1, 162, 1882; FREY, Lep. Schw., 279, 1880; CHRISTOPH, Hor. Soc. Ent. Ross., xii, 224, 1876; HULST, Trans. Am. Ent. Soc., xvii, 200, 1890; RAGONOT, C., pl. 2, f. 20, 1893; STAUDINGER & REBEL, Cat. Lep. Eur. ii, no. 283, 1901. U. S., Eur.
- syn. *rufa* HAWORTH, *elutea* HAWORTH, *angusta* HAWORTH.

EPHESTIODES Ragonot.

RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 194, 1890

4880. *gilvescentella* RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 194, 1890. Cal., Ariz.

4881. *infimella* RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 194, 1890. N. C.

4882. *nigrella* HULST, Journ. N. Y. Ent. Soc., viii, 224, 1901. Cal.

*4883. *erythrella* RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 195, 1890. Cal.

EURYTHMIA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 195, 1890.

4884. *hospitella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 338, 1872; HULST, Trans. Am. Ent. Soc., xvii, 196, 1890. Tex., N. Mex., Ariz., Col.

syn. *quantulella* HULST, Ent. Am., iii, 134, 1887.

*4885. *coloradella* HULST, Can. Ent., xxxii, 175, 1900. Cal.

MANHATTA Hulst

HULST, Trans. Am. Ent. Soc., xvii, 196, 1890; *Hornigia* RAGONOT (not ^a), Diag. No. Am. Phyc., 16, 1887.

4886. *ostrinella* CLEMENS, Proc. Acad. Sci. Phil., 206, 1860. Pa., Tex.

syn. *obtusangulella* RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Ent. Soc., xvii, 197, 1890.

MOODNA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 193, 1890.

*4887. *lugubrella* RAGONOT, Diag. No. Am. Phyc., 17, 1887; HULST, Trans. Am. Ent. Soc., xvii, 197, 1890. Cal.

4888. *pelviculella* HULST, Trans. Am. Ent. Soc., xvii, 194, 1890. N. Y., Pa.

UNADILLA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 197, 1890.

*4889. *erronella* ZELLER, Hor. Soc. Ent. Ross., xvi, 238, pl. 12, f. 42, 1881. N. Mex., Cal.

syn. *nasutella* HULST, Trans. Am. Ent. Soc., xvii, 197, 1890.

^a Preoccupied, according to Hulst's manuscript.

PLODIA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 322, 1845; HEINEMANN, Pyr., 202, 1865; RAGONOT, Ent. Mon. Mag., xxii, 25, 1885; HULST, Trans. Am. Ent. Soc., xvii, 200, 1890.

4890. **interpunctella** HÜBNER, Eur. Schm., 310, 1827; U. S.,
TREITSCHKE, Schm. Eur., ix, 1, 106, 1832; Can.
DUPONCHEL, Hist. Nat., x, 280, 5, 1834; Suppl.,
iv, 121, pl. 60, f. 6, 1842; ZELLER, Isis, 598, 1848;
HERRICH-SCHAEFFER, Eur. Schm., iv, 110, 1855;
STANTON, Man., ii, 169, 1859; HEINEMANN,
Pyr., 202, 1865; ZELLER, Verh. zool.-bot. Ges.
Wien, 336, 1875; MÖSCHLER, Verh. zool.-bot.
Ges. Wien, 310, 1884; SNELLEN, Vlind. Neth.
Micro., i, 163, 1882; FREY, Lep. Schw., 279,
1880; RAGONOT, Ent. Mon. Mag., xxii, 25, 1885;
RILEY & HOWARD, Ins. Life, v, 2, 277, 1890;
HULST, Trans. Am. Ent. Soc., xvii, 201, 1890;
STEVENSON, Rept. Ent. Soc. Ont., xxv, 57, 1894;
CHITTENDEN, U. S. Dept. Agr., Farmers' Bull.,
xxxix, 9, f. 6, 1897; STAUDINGER & REBEL, Cat.
Lep. Eur., ii, no. 253, 1901.
syn. *zeæ* FITCH, Rep. Ins. N. Y., 320, pl. 4,
f. 1, 1858; CLEMENS, Proc. Acad. Sci. Phil.,
206, 1860.

Subfamily ANERASTINÆ.

By GEORGE D. HULST.

RAGONOTIA Grote.

GROTE, Can. Ent., xxii, 75, 1888; HULST, Trans. Am. Ent. Soc., xvii, 204, 1890; *Cris*
RAGONOT (not GROTE), Diag. No. Am. Phyc., 17, 1887.

- *4891. **dotalis** HULST, Trans. Am. Ent. Soc., xiii, 164, Cal.,
1886; xvii, 205, 1890; RAGONOT, Mon. Phyc., i, Ariz.
pl. 2, f. 22, 1890.
syn. *discigerella* RAGONOT, Diag. No. Am.
Phyc., 17, 1887.

- *4892. **saganella** HULST, Trans. Am. Ent. Soc., xvii, Col.
205, 1890.

URULA Hulst.

HULST, Can. Ent., xxxii, 175, 1900.

4893. **incongruella** HULST, Can. Ent., xxxii, 175, 1900. Col.,
Ariz.

AURORA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 209, 1890.

- *4894. **longipalpella** RAGONOT, Diag. No. Am. Phyc., No. Am.
18, 1887; HULST, Trans. Am. Ent. Soc., xvii,
210, 1890.

4895. **nigrocinereella** HULST, Can. Ent., xxxii, 176, 1900. Tex.

4896. **nigromaculella** HULST, Journ. N. Y. Ent. Soc., viii, 224, 1901. Ariz.

ALTOONA Hulst.

HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 206, 1890.

*4897. **opacella** HULST, Ent. Amer., iii, 138, 1887; Trans. Am. Ent. Soc., xvii, 207, 1890. Tex.

ATASCOSA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 210, 1890.

*4898. **glareosella** ZELLER, Verb. zool.-bot. Ges. Wien, 553, 1872; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890. Tex.

syn. *bicolorella* HULST, Trans. Am. Ent. Soc., xvii, 210, 1890.

*4899. **floscella** HULST, Trans. Am. Ent. Soc., xvii, 210, 1890. Tex.

CAYUGA Hulst.

HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 208, 1890.

4900. **gemmatella** HULST, Ent. Amer., iii, 134, 1887; Trans. Am. Ent. Soc., xvii, 209, 1890. Ill., Col., Cal.

α. **bistriatella** HULST, Trans. Am. Ent. Soc., xvii, 209, 1890.

MARICOPA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 205, 1890.

*4901. **lativittella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 206, 1890. Ariz.

*4902. **albocostella** HULST, Can. Ent., xxxii, 176, 1900. N. J.

TRIVOLUSIA Dyar.

Volusia HULST (not DESVOIDY), Trans. Am. Ent. Soc., xvii, 206, 1890.—H. G. DYAR.

*4903. **roseopennella** HULST, Trans. Am. Ent. Soc., xvii, 206, 1890. Fla.

*4903. 1. **pallidipennata** HULST, Can. Ent., xxvii, 56, 1895. Col.

SALURIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 258, 1887; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890.

*4904. **ostreella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890. Ariz.

- *4905. **tetradella** ZELLER, Verh. zool.-bot. Ges. Wien, 552, 1872; HULST, Trans. Ent. Soc., xvii, 207, 1890. Tex., Col.
- *4906. **rostrella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; Mon. Phyc., i, pl. 1, f. 3, 1893; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890. Cal.
- *4907. **dichrocella** RAGONOT, Ent. Amer., v, 113, 1889; HULST, Trans. Am. Ent. Soc., xvii, 207, 1890. Cal.
4908. **ardiferella** HULST, Ent. Amer., iv, 118, 1888; Trans. Am. Ent. Soc., xvii, 208, 1890. Tex., Col., N. Mex., Cal.

MARTIA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xviii, 209, 1890.

- *4909. **arizonella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 209, 1890. Ariz.

NAVASOTA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.

- *4910. **hebetella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890. Tex.

PEORIA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 213, 1890.

4911. **approximella** WALKER, Cat. Brit. Mus., xxxv, 1722, 1866. East. U. S., Tex., Col., Ont.

syn. *hæmatica* ZELLER, Verh. zool.-bot. Ges. Wien, 555, 1872; HULST, Trans. Am. Ent. Soc., xvii, 218, 1890; *roseatella* PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, 270, 1873; GROTE, Bull. Geol. Surv. Terr., iv, 704, 1878; No. Am. Ent., i, 12, pl. ii, f. 14, 1879.

4912. **bipartitella** RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 214, 1890. N. C.

- *4913. **albidella** HULST, Can. Ent., xxxiii, 175, 1900. Cal.

HYPSTOTROPA Zeller.

ZELLER, Isis, 591, 1848; HEINEMANN, Pyr., 200, 1865; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.

- *4914. **luteicostella** RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890. Fla.

4933. **delawaricus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 320, 1873; WALSINGHAM, Pter. Cal. & Oreg., 29, 1880; FERNALD, C. 19, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 397, 1902. No. Atl. States, Col., Cal.
- *4934. **ningoris** WALSINGHAM, Pter. Cal. & Oreg., 26, 1880; FERNALD, C. 20, 1898. Cal., Oreg.
4935. **tenuidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; FERNALD, C. 20, 1898; DYAR, Psyche, viii, 249, 1898. Atl. States, Col., Cal.
- syn. *nigrociliatus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 322, 1873; WALSINGHAM, Pter. Cal. & Oreg., 31, 1880; SAUNDERS, Ins. Inj. Fruits, 314, 1889; *delavaricus* FORBES, Rep. Ent. Ill., xiv, 91, 1885.

PLATYPTILIA Hübner.

HÜBNER, Verz. bek. Schmett., 429, 1826; HEINEMANN & WOCKE, Kleinschm., ii, 2, 783, 1876; MEYRICK, Trans. Ent. Soc. Lond., 9, 1886; 485, 1890; TUTT, Mon. Pter. Brit., 22, 1891; MEYRICK, Handb. Brit. Lep., 432, 1895; HOFMANN, Pteroph., 36, 1895; FERNALD, C. 22, 1898; *Platyptilus* ZELLER, Isis, viii, 764, 1841; Linn. Ent., vi, 326, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 366, 1854; WALLENGREN, Fjäderm., 11, 1859.

- *4936. **pica** WALSINGHAM, Pter. Cal. & Oreg., 21, 1880; FERNALD, C. 24, 1898. Cal., Vanc. Id.
4937. **cosmodactyla** HÜBNER, Schm. Eur., Aluc., pl. vii, f. 35, 36, 1823; TREITSCHKE, Schm. Eur., ix, 2, 235, 1833; STEPHENS, Ill. Brit. Ent., Haust., iv, 377, 1834; WOOD, Ind. Ent., f. 1649, 1854; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 788, 1876; WALSINGHAM, Pter. Cal. & Oreg., 23, 1880; JORDAN, Ent. Mon. Mag., xviii, 117, 1881; LEECH, Brit. Pyr., 56, 1886; MEYRICK, Handb. Brit. Lep., 433, 1895; HOFMANN, Pteroph., 65, 1895; FERNALD, C. 25, 1898; TUTT, Ent. Rec., xi, 238, 1899; DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902. Eur., Cal.
- syn. *punctidactyla* HAWORTH, Lep. Brit., iii, 479, 1811; WOOD, Ind. Ent., f. 1648, 1854; *ulodactyla* ZETTERSTEDT, Ins. Lap., 1012, 1840.
4938. **marmarodactyla** DYAR (near *cosmodactyla*, but smaller, expanse 17-18 mm., fore wing smooth, even gray, reddish tinted, a rounded orange and whitish patch covering basal half of first feather and resting on fissure; scale tuft on third feather of hind wing not triangular). Cal., N. Mex.

4939. **acanthodactyla** HÜBNER, Eur. Schmett., Aluc., pl. v, f. 23, 24, 1818; TREITSCHKE, Schm. Eur., ix, 2, 234, 1833; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 788, 1876; SNELLEN, Vlind. Nederl., ii, 2, 1023, 1882; LEECH, Brit. Pyr., 56, 1886; HOFMANN, Pteroph., 61, 1895; MEYRICK, Handb. Brit. Lep., 433, 1895; FERNALD, C. 25, 1898; WALSINGHAM, Ent. Mon. Mag., xxxiv, 192, 1898; TUTT, Ent. Rec., xi, 238, 1899. Eur., N. Y., Cal., Oreg.
- *4940. **edwardsii** FISH. Can. Ent., xiii, 72, 1881; FERNALD, C. 25, 1898. Me., Mass.
4941. **carduidactyla** RILEY, Rep. Ins. Mo., i, 180, 1869; FERNALD, C. 26, 1898. U. S.
syn. *cardui* ZELLER, Stett. ent. Zeit., xxxii, 179, 1871; Verh. zool.-bot. Ges. Wien, xxiii, 318, 1873; WALSINGHAM, Pter. Cal. & Oreg., 7, 1880; RILEY, Gen. Ind., 83, 1881; WALSINGHAM, Ent. Mon. Mag., xxxiv, 192, 1898.
4942. **percnodactyla** WALSINGHAM, Pter. Cal. & Oreg., 8, 1880; FERNALD, C. 27, 1898. Cal.
- *4943. **shastæ** WALSINGHAM, Pter. Cal. & Oreg., 14, 1880; FERNALD, C. 28, 1898. Cal.
4944. **fragilis** WALSINGHAM, Pter. Cal. & Oreg., 16, 1880; FERNALD, C. 28, 1898. Cal.
4945. **orthocarpi** WALSINGHAM, Pter. Cal. & Oreg., 11, 1880; FERNALD, C. 29, 1898. Oreg.
4946. **albida** WALSINGHAM, Pter. Cal. & Oreg., 10, 1880; FERNALD, C. 29, 1898. Cal., Oreg.
- *4947. **albidorsella** WALSINGHAM, Pter. Cal. & Oreg., 13, 1880; FERNALD, C. 30, 1898. Cal.
- *4948. **grandis** WALSINGHAM, Pter. Cal. & Oreg., 6, 1880; FERNALD, C. 30, 1898. Cal.
4949. **cooleyi** FERNALD, Pter. No. Am., 30, 1898. Col., Cal.
4950. **modesta** WALSINGHAM, Pter. Cal. & Oreg., 18, 1880; FERNALD, C. 31, 1898. Ariz., Cal.
4951. **petrodactyla** WALKER, Cat. Brit. Mus., xxx, 940, 1864; WALSINGHAM, Pter. Cal. & Oreg., 20, 1880; FERNALD, C. 31, 1898. Arctic Am.
- *4952. **adusta** WALSINGHAM, Pter. Cal. & Oreg., 5, 1880; FERNALD, C. 32, 1898. Cal.
- *4953. **albiciliata** WALSINGHAM, Pter. Cal. & Oreg., 17, 1880; FERNALD, C. 32, 1898. Cal.
- *4954. **albicans** FISH. Can. Ent., xiii, 71, 1881; FERNALD, C. 32, 1898. Nev.

4955. *tesseradactyla* LINNÆUS, Faun. Succ., 370, 1761; HEINEMANN & WOCKE, Kleinschm., ii, 2, 787, 1876; ZELLER, Stett. ent. Zeit., xxxix, 162, 1878; BARRETT, Ent. Mon. Mag., xxxiii, 25, 1897; FERNALD, C. 33, 1898. Eur., Mass., Col., Cal.
 syn. *fischeri* ZELLER, Isis, viii, 781, 1841; TENGSTRÖM, Bidr., 155, 1847; ZELLER, Linn. Ent., vi, 337, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854.
4956. *marginidactyla* FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; FERNALD, C. 34, 1898. Eur., U. S.
 syn. *nebulædactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; *bertrami* ROESSLER, Wien. ent. Mon., viii, 54, 1864; ZELLER, Stett. ent. Zeit., xxxiv, 135, 1873; HEINEMANN & WOCKE, Kleinschm., ii, 2, 784, 1876; WALSINGHAM, Pter. Cal. & Oreg., 3, 1880; SNELLEN, Vlind. Nederl., ii, 2, 1017, 1882; PORRITT, Ent. Mon. Mag., xxii, 103, 1885; xxiii, 163, 1886; LEECH, Brit. Pyr., 52, 1886; TUTT, Mon. Pter. Brit., 31, 1891; MEYRICK, Handb. Brit. Lep., 434, 1895; HOFMANN, Pteroph., 55, 1895; *bischoffi* ZELLER, Stett. ent. Zeit., xxviii, 333, 1867; Verh. zool.-bot. Ges. Wien, xxiii, 317, 1873; *cerninidactylus* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 266, 1873.

ALUCITA Linnæus.

- LINNÆUS, Syst. Nat., 542, 1758; WALSINGHAM, Ent. Mon. Mag., 33, 41, 1897; FERNALD, C. 36, 1898; *Acptilia* HÜBNER, Verz. bek. Schmett., 430, 1826; *Acptilus* ZELLER, Isis, viii, 768, 1841; WALLENGREN, Fjäderm., 23, 1859; *Pterophorus* MEYRICK, Trans. Ent. Soc. Lond., 10, 1885; 489, 1890; Handb. Brit. Lep., 435, 1895.
4957. *walsinghami* FERNALD, Pter. No. Am., 36, 1898. Col.
- *4958. *belfragei* FISH, Can. Ent., xiii, 142, 1881; FERNALD, C. 37, 1898. Tex.
4959. *montana* WALSINGHAM, Pter. Cal. & Oreg., 59, 1880; FERNALD, C. 37, 1898. Cal., N. Y.
4960. *cinerascens* WALSINGHAM, Pter. Cal. & Oreg., 57, 1880; FERNALD, C. 39, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902. Cal., Col.

PTEROPHORUS Geoffroy.

- GEOFFROY, Hist. Abr. Ins., ii, 90, 1762; WALLENGREN, Fjäderm., 20, 1859; TUTT, Mon. Pter. Brit., 110, 1891; HOFMANN, Pteroph., 131, 1895; FERNALD, C. 39, 1898; *Oidematophorus* WALLENGREN, Fjäderm., 19, 1859; *Leioptilus* WALLENGREN, Fjäderm., 21, 1859; *Leioptilus* MEYRICK, Trans. Ent. Soc. Lond., 10, 1886; *Alucita* MEYRICK, Trans. Ent. Soc. Lond., 487, 1890; Handb. Brit. Lep., 438, 1895.
- *4961. *fishii* FERNALD, Can. Ent., xxv, 95, 1893; C. 40, 1898. Nev.

4962. **homodactylus** WALKER, Cat. Brit. Mus., xxx, 941, 1864; WALSINGHAM, Pter. Cal. & Oreg., 50, 1880; COQUILLET, Pap., ii, 62, 1882; FERNALD, C. 41, 1898. Cal., Oreg.
4963. **brucei** FERNALD, Pter. No. Am., 42, 1898. Col.
4964. **elliottii** FERNALD, Can. Ent., xxv, 95, 1893; C. 42, 1898; DYAR, Psyche, viii, 250, 1898. N. Y.
- *4965. **subochraceus** WALSINGHAM, Pter. Cal. & Oreg., 53, 1880; FERNALD, C. 43, 1898. Mass., Cal.
- *4966. **lacteodactylus** CHAMBERS, Can. Ent., v, 72, 1873. Ky.
- *4967. **helianthi** WALSINGHAM, Pter. Cal. & Oreg., 54, 1880; FERNALD, C. 43, 1898. So. Oreg.
- *4968. **bipunctatus** MÖSCHLER, Ab. Senck. nat. Ges., xv, 346, 354, 1890; WALSINGHAM, Proc. Zool. Soc. Lond., 496, 1891; 61, 1897. Fla.
syn. *microdactylus* HEDEMAN, Stett. ent. Zeit., lvii, 9, 1896.
- *4969. **stramineus** WALSINGHAM, Pter. Cal. & Oreg., 41, 1880; FERNALD, C. 44, 1898. So. Oreg.
- *4970. **angustus** WALSINGHAM, Pter. Cal. & Oreg., 43, 1880; FERNALD, C. 44, 1898. Cal.
4971. **sulphureodactylus** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 266, 1873; FERNALD, C. 44, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 398, 1902. Cal., Col.
syn. *sulphureus* WALSINGHAM, Pter. Cal. & Oreg., 48, 1880.
- *4972. **mathewianus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 23, 1874; FERNALD, C. 45, 1898. Vanc., Id.
4973. **paleaceus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 326, 1873; WALSINGHAM, Pter. Cal. & Oreg., 41, 1880; MÖSCHLER, Ab. Senck. Ges., xv, 346, 354, 1890; WALSINGHAM, Proc. Zool. Soc. Lond., 495, 1891; FERNALD, C. 45, 1898. W. I., Ohio, Ill., Mo., Tex., Oreg. Cal.
syn. *sericidactylus* MURTFELDT, Am. Ent., iii, 235, 1880.
- *4974. **agraphodactylus** WALKER, Cat. Brit. Mus., xxx, 941, 1864; WALSINGHAM, Pter. Cal. & Oreg., 46, 1880; Proc. Zool. Soc. Lond., 496, 1891; Proc. Zool. Soc. Lond., 6, 1897; FERNALD, C. 47, 1898. W. I., So. Oreg.
syn. *aspidodactylus* WALKER, Cat. Brit. Mus., xxx, 941, 1864; BUTLER, Proc. Zool. Soc. Lond., 495, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 496, 1891.

- *4975. **inconditus** WALSINGHAM, Pter. Cal. & Oreg., 44, 1880; FERNALD, C. 47, 1898. Cal., D. C.
- *4976. **parvus** WALSINGHAM, Pter. Cal. & Oreg., 55, 1880; FERNALD, C. 48, 1898. Ariz., Cal.
4977. **kellicottii** FISH, Can. Ent., xiii, 141, 1881; FERNALD, C. 49, 1898. N. Y.
4978. **rhynchosiæ** DYAR, Psyche, viii, 249, 1898. Fla.
4979. **grandis** FISH, Can. Ent., xiii, 141, 1881; FERNALD, C. 50, 1898. Cal.
4980. **rileyi** FERNALD, Pter. No. Am., 50, 1898. Cal.
4981. **monodactylus** LINNÆUS, Syst. Nat., i, 542, 1758; WALLENGREN, Fjäderm., 20, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 801, 1876; WALSINGHAM, Pter. Cal. & Oreg., 39, 1880; SNELLEN, Vlind. Nederl., ii, 1048, 1882; SOUTH, Ent., xviii, 277, 1885; TUTT, Mon. Pter. Brit., 111, 1891; MEYRICK, Handb. Brit. Lep., 439, 1895; HOFMANN, Pteroph., 133, 1895; FERNALD, C. 51, 1898. Eur., No. Africa, W. Asia, Maine to Cal.
- syn. *pterodactyla* HÜBNER, Eur. Schmett., Aluc., pl. 1, f. 4, 1803; TREITSCHKE, Schm. Eur., ix, 2, 246, 1833; ZELLER, Isis, viii, 846, 1841; Linn. Ent., vi, 377, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 379, 1854; *cineridactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; *nærosidactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; *pergracilidactylus* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 265, 1873.
4982. **cretidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; FERNALD, Can. Ent., xxv, 96, 1893; C. 52, 1898; DYAR, Psyche, viii, 250, 1898. N. Y., Cal.
- syn. *occidentalis* WALSINGHAM, Pter. Cal. & Oreg., 37, 1880.
4983. **eupatorii** FERNALD, Can. Ent., xxv, 96, 1893; C. 52, 1898; DYAR, Psyche, viii, 250, 1898. N. Y., Cal., Vanc. Id.
- syn. *cretidactylus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 22, 1874; WALSINGHAM, Pter. Cal. & Oreg., 35, 1880; KELICOTT, Bull. Buff. Soc., iv, 2, 1882.
- *4984. **guttatus** WALSINGHAM, Pter. Cal. & Oreg., 36, 1880; FERNALD, C. 53, 1898. Cal.
- *4985. **cineraceus** FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. Wash.
- *4986. **baroni** FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. Cal.

- *4987. **gratiosus** FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. Cal.
- *4988. **lugubris** FISH, Can. Ent., xiii, 140, 1881; FERNALD, C. 55, 1898. Cal.
4989. **grisescens** WALSINGHAM, Pter. Cal. & Oreg., 34, 1880; FERNALD, C. 55, 1898. So. Oreg.
4990. **inquinatus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 325, 1873; COQUILLET, Pap., ii, 61, 1882; HEDEMAN, Stett. ent. Zeit., lvii, 9, 1896; WALSINGHAM, Proc. Zool. Soc. Lond., 59, 1897; FERNALD, C. 56, 1898. Ala., Tex., Mo., Col., Ariz., W. I.
- syn. *ambrosiae* MURTFELDT, Am. Ent., iii, 236, 1880.

STENOPTILIA Hübner.

HÜBNER, Verz. bek. Schmett., 430, 1826; ZELLER, Isis, viii, 766, 1841; MEYRICK, Trans. Ent. Soc. Lond., 487, 1890; Handb. Brit. Lep., 440, 1895; HOFMANN, Pteroph., 68, 1895; FERNALD, C. 57, 1898.

- *4991. **pumilio** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 324, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 495, 1891; 58, 1897; FERNALD, C. 58, 1898. Tex.
- syn. *gilvidorsis* (part) HEDEMAN, Stett. ent. Zeit., lvii, 8, 1896.
4992. **pterodactyla** LINNÆUS, Faun. Suec., 371, 1761; WALLENGREN, Fjäderm., 18, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 797, 1876; SNELLEN, Vlind. Nederl., ii, 1040, 1882; LEECH, Brit. Pyr., 61, 1886; TUTT, Mon. Pter. Brit., 100, 1891; MEYRICK, Handb. Brit. Lep., 440, 1895; FERNALD, C. 58, 1898. Eur., N. Y.
- syn. *fuscus* RETZIUS, Gen. et Spec., 35, 1783; ZELLER, Isis, viii, 841, 1841; Linn. Ent., vi, 371, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 375, 1854; HOFMANN, Pter., 82, 1895; *ptilodactyla* HÜBNER, Eur. Schmett., Aluc., pl. 3, f. 16, 1803; TREITSCHKE, Schm. Eur., ix, 2, 244, 1833; *fuscodactyla* HAWORTH, Lep. Brit., 476, 1811.
4993. **exclamationis** WALSINGHAM, Pter. Cal. & Oreg., 32, 1880; FERNALD, C. 59, 1898. Cal., Oreg.
- *4994. **mengeli** FERNALD, No. Am. Pter., 60, 1898. No. Greenland.
- *4995. **semicostata** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 323, 1873; FERNALD, C. 60, 1898. Tex.
4996. **coloradensis** FERNALD, No. Am. Pter., 61, 1898. Col.

Family ORNEODIDÆ.

ORNEODES Latreille.

LATREILLE, Préc. Gén. Ins., 148, 1796; Hist. Nat. Crust. Ins., iii, 418, 1802; TREITSCHKE, Schm. Eur., ix, 2, 254, 1833; MEYRICK, Trans. Ent. Soc. Lond., 490, 1890; Handb. Brit. Lep., 442, 1895; FERNALD, C. 61, 1898; *Alucita* (part) LINNÆUS, Syst. Nat., 542, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 334, 1834; ZELLER, Isis, viii, 867, 1841; HERRICH-SCHAEFFER, Schm. Eur., v, 386, 1854; WALLENGREN, Fjäderm., 25, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 811, 1876; *Ripidophora* HÜBNER, Tentamen, 1806; *Euchiradia* HÜBNER, Verz. bek. Schm., 431, 1826.

4997. **hexadactyla** LINNÆUS, Syst. Nat., 542, 1758; Eur.,
 WOOD, Ind. Ent., f. 1653, 1854; HEINEMANN & N. Y.,
 WOCKE, Kleinschm., ii, 2, 813, 1876; WALSHING- Mo.,
 HAM, Pter. Cal. & Oreg., 66, 1880; SNELLEN, Cal.,
 Vlind. Nederl., ii, 2, 1060, 1882; SOUTH, Ent., xvi, Col.,
 74, 1883; LEECH, Brit. Pyr., 69, 1886; TUTT, Oreg.,
 Mon. Pter. Brit., 158, 1891; MEYRICK, Handb. Can.,
 Brit. Lep., 442, 1895; FERNALD, C. 62, 1898. Manitoba.
- syn. *polydactyla* HÜBNER, Eur. Schmett., Aluc.,
 pl. vi, f. 28, 1816; TREITSCHKE, Schm. Eur.,
 ix, 2, 257, 1833; *montana* COCKERELL, Ent.
 Mon. Mag., xxv, 213, 1889.

Family TORTRICIDÆ.

By C. H. FERNALD.

Subfamily OLETHREUTINÆ.

EVETRIA Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 470, 1895;
Retinia GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 180, 1845; HEINEMANN, Kleinschm., i,
 1, 93, 1863.

4998. **frustrana** COMSTOCK, Rept. Dept. Agr., 1879, 236, Mass.,
 1880; SCUDDER, Pine Moth of Nantucket, 4, N. Y.,
 1883. Va.
- *4999. **rigidana** FERNALD, Rept. Dept. Agr., 1879, 237, N. Y.
 1880.
5000. **comstockiana** FERNALD, Can. Ent., xi, 157, 1879; N. Y.,
 COMSTOCK, Rept. Dept. Agr., 1879, 235, 1880. Md.
- *5001. **turionana** HÜBNER, Eur. Schmett., Tort., ff. 220, Eur.,
 221, 1818; FRÖLICH, En. Tort. Würt., 69, 1828; Nev.
 TREITSCHKE, Schm. Eur., viii, 137, 1830; DUPON-
 CHEL, Hist. Nat. Lép. Fr., ix, 233, 1834;
 RATZEBURG, Forst. Ins., i, 207, 1839; HERRICH-
 SCHAEFFER, Schm. Eur., iv, 222, 1851; HEINE-
 MANN, Kleinschm., i, 1, 94, 1863.
- syn. *turionella* WILKINSON, Brit. Tort., 222,
 1859.

- *5002. *sylvestrana* CURTIS, Ann. Mag. Nat. Hist., (2), v, 3, 1850; WILKINSON, Brit. Tort., 220, 1859. Eur., Oreg.
- *5003. *pinivorana* ZELLER, Isis, 225, 1846; WILKINSON, Brit. Tort., 219, 1859; HEINEMANN, Kleinschm., i, 1, 95, 1863; MEYRICK, Handb. Brit. Lep., 471, 1895. Eur., Oreg.
- syn. *pudendana* HERRICH-SCHAEFFER, Schm. Eur., iv, 222, 1851.
- *5004. *subcervinana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 25, 1879. Oreg.

POLYCHROSIS Ragonot.

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5005. *botrana* SCHIEFFERMÜLLER, Syst. Verz. Wien, 131, 1776; HERRICH-SCHAEFFER, Schm. Eur., iv, 225, 1851. Atl. States, Eur.
- syn. *vitisana* JACQUIN, Coll., ii, 97, 1788; *reliquana* HÜBNER, Verz. bek. Schmett., 381, 1816; TREITSCHKE, Schm. Eur., x, 3, 146, 1835; WILKINSON, Brit. Tort., 280, 1859; *pitteana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 359, 1860; *vitivorana* PACKARD, Guide Stud. Ins., 336, 1869; RILEY, Rep. Ins. Mo., i, 133, 1869; WALSH & RILEY, Am. Ent., i, 177, 1869.

BACTRA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 124, 1834; WILKINSON, Brit. Tort., 144, 1859; MEYRICK, Handb. Brit. Lep., 456, 1895.

5006. *lanceolana* HÜBNER, Schm. Eur., Tort., f. 80, 1800; TREITSCHKE, Schm. Eur., viii, 324, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 239, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 243, 1851; WILKINSON, Brit. Tort., 145, 1859; HEINEMANN, Kleinschm., i, 1, 134, 1863. U. S., W. I., Eur., Asia, Africa, Australia, N. Z.
- syn. *dibelliana* HÜBNER, Schm. Eur., Tort., f. 272, 1823; *lanceana* FRÖLICH, En. Tort. Würt., 98, 1828.
- a. *verutana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 247, 1875.
5007. *furfurana* HAWORTH, Lep. Brit., 466, 1811; WILKINSON, Brit. Tort., 147, 1859; HEINEMANN, Kleinschm., i, 1, 135, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 247, 1875. Eur., Mass.
- syn. *acutana* EVERSMAAN, Faun. Volg. Ural., 529, 1844; *lamana* ZELLER, Isis, 257, 1846; *scirpama* HERRICH-SCHAEFFER, Schm. Eur., iv, 243, 1851.

- *5008. *inquadrana* WALSINGHAM, Trans. Ent. Soc. Lond., 134, 1884. Ariz.

EXARTEMA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; MEYRICK, Handb. Brit. Lep., 457, 1895.

- *5009. *fagigemmeanum* CHAMBERS, Can. Ent., x, 74, 1878. Pa., Ky.
- *5010. *nitidanum* CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; Proc. Ent. Soc. Phil., v, 133, 1865. Pa.
5011. *ferrugineanum* RILEY, Trans. St. Louis Acad. Sci., iv, 317, 1881. Mo.
5012. *monetiferanum* RILEY, Trans. St. Louis Acad. Sci., iv, 317, 1881. Ala.
- *5013. *sericoranum* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 36, 1879. Pa.
- *5014. *zellerianum* FERNALD, Trans. Am. Ent. Soc., x, 29, 1882. Me., Mass.
 syn. *nitidanum* ZELLER (not CLEMENS), Verh. zool.-bot. Ges. Wien, xxv, 270, 1875.
5015. *permundanum* CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; Proc. Ent. Soc. Phil., v, 134, 1865; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 273, 1875. Atl. States.
 syn. *meanderana* WALKER, Cat. Brit. Mus., xxviii, 341, 1863.
- *5016. *olivaceanum* FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. Mass., Pa.
5017. *concinnanum* CLEMENS, Proc. Ent. Soc. Phil., v, 134, 1865. Va.
 syn. *faedana* CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865.
- *5018. *versicoloranum* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860. Mass., Pa.
 syn. *appendiceum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 275, 1875.
- *5019. *punctanum* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 87, 1879. Mass. to Cal.
 syn. *versicolorana* (CLEMENS) (part), Proc. Ent. Soc. Phil., v, 136, 1865.
- *5020. *atrodentanum* FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. Ohio, Ill., Tex.
5021. *fasciatanum* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; Proc. Ent. Soc. Phil., v, 134, 1865. No. Atl. States.
 syn. *decisana* WALKER, Cat. Brit. Mus., xxviii, 340, 1863; *albofasciatum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 272, 1875.

- *5022. *corylanum* FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. Atl. States.
5023. *exoletum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 270, 1875. Mass., N. Y.
5024. *inornatanum* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; Proc. Ent. Soc. Phil., 134, 1865. Atl. States.
syn. *clavana* WALKER, Cat. Brit. Mus., xxviii, 395, 1863; *quadrifidum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 268, 1875.
- *5025. *malanum* FERNALD, Trans. Am. Ent. Soc., x. 72, 1882. N. Y., Ill.
5026. *footianum* FERNALD, Bull. Buff. Soc., iv, 53, 1882. N. Y.
5027. *ferriferanum* WALKER, Cat. Brit. Mus., xxviii, 343, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 37, 1879. Va.
syn. *gratiosana* CLEMENS, Proc. Ent. Soc. Phil., v, 134, 1865; *usticana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 293, 1875.

OLETHREUTES Hübner.

HÜBNER, Tent., 2, 1806; *Penthina* TREITSCHKE, Schm. Eur., viii, 21, 1830; *Sericoris* TREITSCHKE, Schm. Eur., viii, 142, 1830.

- *5028. *intermistana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865. Lab.
syn. *tessellana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 58, 1867.
- *5029. *septentrionana* CURTIS, App. Ross Second Voyage N.-W. Pass., 77, 1831. Arctic Am., Lab.
syn. *primariana* WALKER, Cat. Brit. Mus., xxviii, 336, 1863; *fulvifrontana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 59, 1867.
- *5030. *frigidana* PACKARD, Bost. Soc. Nat. Hist., xi, 57, 1867. Lab., N. H.
5031. *nimbatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860. No. Atl. States.
syn. *contrariana* WALKER, Cat. Brit. Mus., xxviii, 374, 1863.
5032. *consanguinana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 30, 1879. Cal.
5033. *capreana* HÜBNER, Eur. Schmett., Tort., f. 250, 1818; TREITSCHKE, Schm. Eur., viii, 27, 1830; HEINEMANN, Kleinschm., i, 1, 106, 1863. Eur., Lab.
syn. *capræana* WILKINSON, Brit. Tort., 23, 1859; *mæstana* WOCKE, Stett. ent. Zeit., xxiii, 52, 1862.

5034. *dimidiana* SODOFFSKY, Bull. Mosc., 73, 1830; TREITSCHKE, Schm. Eur., x, 3, 46, 1835; HERRICH-SCHAEFFER, Schm. Eur., iv, 228, 1851; WILKINSON, Brit. Tort., 28, 1859; HEINEMANN, Kleinschm., i, 1, 109, 1863. Eur., Mo.
 syn. *atropunctana* ZETTERSTEDT, Ins. Lap., 977, 1840; *ochromelana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 152, 1845.
5035. *hartmanniana* LINNÆUS, Faun. Succ., 345, 1761; TREITSCHKE, Schm. Eur., viii, 91, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 201, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 227, 1851; WILKINSON, Brit. Tort., 19, 1859; HEINEMANN, Kleinschm., i, 1, 106, 1863. Eur.
 syn. *lineana* SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; *scriptana* HÜBNER, Schm. Eur., Tort., f. 110, 1800; FRÖLICH, En. Tort. Würt., 57, 1828; STEPHENS, Ill. Brit. Ent., Haust., iv, 86, 1834.
a. albeolana ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 262, 1875. No. Atl. States.
- *5036. *griseoalbana* WALSINGHAM, Ill. Lep. Het., iv, 38, 1879. Atl. States.
- *5037. *conditana* WALSINGHAM, Ill. Lep. Het., iv, 31, 1879. Cal.
5038. *hebesana* WALKER, Cat. Brit. Mus., xxviii, 342, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 31, 1879. No. U. S.
 syn. *inexpertana* WALKER, Cat. Brit. Mus., xxviii, 394, 1863; *fullerea* RILEY, Am. Ent., ii, 204, 371, 1870.
5039. *cyanana* MURTFELDT, Am. Ent., iii, 14, 1880. Pa. to Kans.
- *5040. *interruptolineana* FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. Mass., N. H.
- *5041. *hemidesma* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 261, 1875. Me., Mass., Cal.
- *5042. *murina* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 60, 1867. Labrador.
5043. *osmundana* FERNALD, Can. Ent., xi, 156, 1879. Me., Mass., Pa.
5044. *malachitana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 292, 1875. Pa., Mo., Tex., So. Am.?
5045. *roseomaculana* HERRICH-SCHAEFFER, Schm. Eur., iv, 229, 1851. Eur., Labrador.
 syn. *lienigiana* HEINEMANN, Kleinschm., i, 1, 111, 1863.

- *5046. *costimaculana* FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. Me., Mass.
5047. *chionosema* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 265, 1875. Atl. States.
- *5048. *melanosticta* WALSINGHAM, Trans. Ent. Soc. Lond., 500, 1895. Col.
5049. *duplex* WALSINGHAM, Trans. Ent. Soc. Lond., 501, 1895. Col.
5050. *nubilana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865; PACKARD, Guide Stud. Ins., 333, 1869. Pa., Wis.
- *5051. *vetulana* WALSINGHAM, Ill. Lep. Het., iv, 32, 1879. Tex., Cal.
- *5052. *auricapitana* WALSINGHAM, Ill. Lep. Het., iv, 33, 1879. Pa., N. Y.
5053. *agilana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 359, 1860. Pa.
- *5054. *albiciliana* FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. Me.
- *5055. *chalybeana* WALSINGHAM, Ill. Lep. Het., iv, 34, 1879. Oreg., Cal.
5056. *corusca* CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860. Me., N. Y., Pa.
syn. *ferrolineana* WALKER, Cat. Brit. Mus., xxviii, 395, 1863; *argyræana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 277, 1875.
5057. *constellatana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 279, 1875. Me. to Wis.
- *5058. *major* WALSINGHAM, Trans. Ent. Soc. Lond., 502, 1895. Col.
- *5059. *mengelana* FERNALD, Ent. News, v, 131, 1894. Greenl.
5060. *rivulana* SCOPOLI, Ent. Carn., 237, 1763; SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; HEINEMANN, Kleinschm., i, 1, 123, 1863. Eur., Cal., Oreg.
syn. *rivellana* FABRICIUS, Syst. Ent., 654, 1775; FRÖLICH, En. Tort. Würt., 62, 1828; *conchana* HÜBNER, Schm. Eur., Tort., f. 106, 1800; HAWORTH, Lep. Brit., 460, 1811; TREITSCHKE, Schm. Eur., viii, 148, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 208, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 213, 1851; WILKINSON, Brit. Tort., 266, 1859.

- *5061. *urticana* HÜBNER, Schm. Eur., Tort., f. 65, 1800; HAWORTH, Lep. Brit., 460, 1811; TREITSCHKE, Schm. Eur., viii, 145, 1830; HERRICH-SCHAEFFER, Schm. Eur., iv, 215, 1851; WILKINSON, Brit. Tort., 267, 1859; HEINEMANN, Kleinschm., i, 1, 126, 1863. Eur., Cal.
- *5062. *astrologana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 281, 1875. Tex.
- *5063. *puncticostana* WALKER, Cat. Brit. Mus., xxviii, 339, 1863; WALSINGHAM, Ill. Lep. Het., iv, 33, 1879. Nova Scotia, Cal.
5064. *instrutana* CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865. No. Atl. States.
syn. *poana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 282, 1875.
5065. *turfosana* HERRICH-SCHAEFFER, Schm. Eur., iv, 217, 1851; HEINEMANN, Kleinschm., i, 1, 114, 1863. Eur., Lab., Me.
- *5066. *campestrana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 282, 1875. Me., Mass.
5067. *fuscalbana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 284, 1875. Me., Mass., Ohio.
- *5068. *glaciana* MÖSCHLER, Wien. ent. Mon., iv, 380, 1860. Lab., Ont.
- *5069. *dealbana* WALKER, Cat. Brit. Mus., xxviii, 374, 1863; WALSINGHAM, Ill. Lep. Het., iv, 34, 1879. Me., Mo.
- *5070. *dilutifusca* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 33, 1879. Oreg.
5071. *bipartitana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860; PACKARD, Guide Stud. Ins., 333, 1869. No. U. S.
syn. *cæsialbana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 285, 1875.
- *5072. *similisana* WALKER, Cat. Brit. Mus., xxviii, 373, 1863. No. Atl. States.
- *5073. *impudens* WALSINGHAM, Trans. Ent. Soc. Lond., 135, 1884. Mass., N. C.
- *5074. *inquietana* WALKER, Cat. Brit. Mus., xxviii, 378, 1863. Arctic Am.
5075. *niveiguttana* GROTE, Bull. Buff. Soc., i, 91, 1873. Mass., N. Y., Pa., Mo.

5076. **schulziana** FABRICIUS, Gen. Ins., 293, 1777; ZETTERSTEDT, Ins. Lap., 983, 1840; WILKINSON, Brit. Tort., 276, 1859; HEINEMANN, Kleinschm., i, 1, 120, 1863. Eur., Arctic Am.

syn. *pinetana* HÜBNER, Schm. Eur., Tort., f. 57, 1800; *ahrensiana* GEYER, Eur. Schm., Tort., ff. 337, 338, 1834; *bentleyana* DONOVAN, Nat. Hist. Brit. Ins., x, pl. 357, f. 1, 1801; *zinckenana* FRÖLICH, En. Tort. Würt., 71, 1828; TREITSCHKE, Schm. Eur., viii, 143, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 225, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 210, 1851.

PHÆCASIOPHORA Grote.

GROTE, Bull. Buff. Soc., i, 90, 1873.

5077. **confixana** WALKER, Cat. Brit. Mus., xxviii, 340, 1863; WALSINGHAM, Ill. Lep. Het., iv, 36, 1879. Atl. States.

syn. *perductana* WALKER, Cat. Brit. Mus., xxviii, 341, 1863; *mutabilana* CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865; GROTE, Bull. Buff. Soc., i, 90, 1873; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 276, 1875.

PSEUDOGALLERIA Ragonot.

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5078. **inimicella** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 559, 1872. Atl. States.

EUCOSMA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 28, 1823; *Pædisca* TREITSCHKE, Schmett. Eur., viii, 188, 1830; HEINEMANN, Kleinschm., i, 1, 142, 1863.

5079. **circulana** HÜBNER, Zutr. exot. Schmett., ii, ff. 363, 364, 1823. So. Atl. States.

syn. *scintillana* CLEMENS, Proc. Ent. Soc. Phil., v, 142, 1865; PACKARD, Guide Stud. Ins., 337, 1869; *dodecana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 311, 1875.

- *5080. **quinquemaculana** ROBINSON, Trans. Am. Ent. Soc., ii, 284, 1869. So. Atl. States.

syn. *robinsonana* GROTE, Can. Ent., iv, 101, 1872; *quintana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 304, 1875.

5081. **bolanderana** WALSINGHAM, Ill. Lep. Het., iv, 42, 1879. Cal.

- *5082. **agassizii** ROBINSON, Trans. Am. Ent. Soc., ii, 284, 1869. Tex.

5083. *ridingsana* ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869. Tex., Col., Can.
a. argentifurcatana GROTE, Can. Ent., viii, 206, 1876.
b. hipeana GROTE, Can. Ent., viii, 207, 1876.
- *5084. *fernaldana* GROTE, No. Am. Ent., 98, 1880. Ky., Col.
5085. *crambitana* WALSINGHAM, Ill. Lep. Het., iv, 43, 1879. Cal.
5086. *monogrammana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 313, 1875. Tex.
- *5087. *larana* WALSINGHAM, Ill. Lep. Het., iv, 43, 1879. Cal.
- *5088. *luridana* WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. Cal.
- *5089. *argentialbana* WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. Tex.
5090. *albiguttana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 313, 1875. Tex.
- *5091. *atomosana* WALSINGHAM, Ill. Lep. Het., iv, 42, 1879. Cal.
- *5092. *agricolana* WALSINGHAM, Ill. Lep. Het., iv, 42, 1879. Cal., Oreg., Ariz.
- *5093. *basipunctana* WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. Cal.
- *5094. *subplicana* WALSINGHAM, Ill. Lep. Het., iv, 41, 1879. Cal., Oreg.
- *5095. *primulana* WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. Cal.
5096. *cataclystiana* WALKER, Cat. Brit. Mus., xxviii, 378, 1863; WALSINGHAM, Ill. Lep. Het., iv, 46, 1879. Me., Va., Tex., Cal.
syn. ochreana CLEMENS, Proc. Ent. Soc. Phil., iii, 520, 1864; PACKARD, Guide, 337, 1869.
5097. *ochraceana* FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. Fla.
- *5098. *comatulana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 316, 1875. Tex.
- *5099. *occipitana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 315, 1875. Tex.
- *5100. *numerosana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 317, 1875. Tex.
5101. *giganteana* RILEY, Trans. St. Louis Acad. Sci., iv, 318, 1881. N. H., Ill., Iowa, Kans.

- *5102. *perdricana* WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. Cal.
- *5103. *glomarana* WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. Tex.
- *5104. *fulminana* WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. Tex., Ill., Cal.
- *5105. *irroratana* WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. Cal.
5106. *bipunctella* WALKER, Cat. Brit. Mus., xxvii, 202, 1863; WALSINGHAM, Ill. Lep. Het., iv, 47, 1879. Ill.
syn. *worthingtoniana* FERNALD, Can. Ent., x, 83, 1878.
- *5107. *grandiflava* WALSINGHAM, Ill. Lep. Het., iv, 47, 1879. Cal.
- *5108. *subflava* WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. Oreg.
- *5109. *shastana* WALSINGHAM, Ill. Lep. Het., iv, 46, 1879. Cal.
- *5110. *biquadrana* WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. Cal.
- *5111. *maculatana* WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. Cal.
- *5112. *palpana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879. Cal.
- *5113. *radicana* WALSINGHAM, Ill. Lep. Het., iv, 53, 1879. Oreg.
- *5114. *passerana* WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. Cal.
- *5115. *canana* WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. Cal., Ariz.
5116. *lineana* FERNALD, Journ. N. Y. Ent. Soc., ix, 50, 1901. Fla.
- *5117. *culminana* WALSINGHAM, Ill. Lep. Het., iv, 38, 1879. Cal.
5118. *rectiplicana* WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. Cal.
- *5119. *terracoctana* WALSINGHAM, Ill. Lep. Het., iv, 39, 1879. Cal.
- *5120. *albangulana* WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. Cal.
5121. *juncticiliana* WALSINGHAM, Ill. Lep. Het., iv, 75, 1879. Me. to Cal.
- *5122. *pulveratana* WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. Tex., Cal., Ariz.

- *5123. *nigralbana* WALSINGHAM, Ill. Lep. Het., iv, 41, 1879. Me., Cal.
5124. *abbreviatana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879. Mass., Pa., D. C.
- *5125. *constrictana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 305, 1875. Fla., Tex.
5126. *abruptana* WALSINGHAM, Ill. Lep. Het., iv, 53, 1879. Va., Tex.
5127. *solicitana* WALKER, Cat. Brit. Mus., xxviii, 387, 1863; WALSINGHAM, Ill. Lep. Het., iv, 55, 1879. No. Atl. States.
syn. *packardiana* CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864; *tephrinana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 309, 1875.
- *5128. *transmissana* WALKER, Cat. Brit. Mus., xxviii, 375, 1863; WALSINGHAM, Ill. Lep. Het., iv, 52, 1879. No. Atl. States.
5129. *strenuana* WALKER, Cat. Brit. Mus., xxviii, 383, 1863; WALSINGHAM, Ill. Lep. Het., iv, 52, 1879. Atl. States.
syn. *exvagana* WALKER, Cat. Brit. Mus., xxviii, 383, 1863; *flavocellana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; *subversana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 318, 1875.
5130. *perplexana* FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. Fla.
5131. *nisella* CLERCK, Icon., pl. 12, f. 6, 1759; LINNÆUS, Faun. Suec., 357, 1761; WILKINSON, Brit. Tort., 78, 1859; HEINEMANN, Kleinschm., i, 1, 158, 1863; MEYRICK, Handb. Brit. Lep., 493, 1895. Eur., Can.
- *5132. *hirsutana* WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. Cal., Oreg.
- *5133. *improbana* WALKER, Cat. Brit. Mus., xxviii, 337, 1863; WALSINGHAM, Ill. Lep. Het., iv, 51, 1879. Hudson Bay.
syn. *diffinana* WALKER, Cat. Brit. Mus., xxviii, 378, 1863.
- *5134. *trigeminana* STEPHENS, Ill. Brit. Ent., Haust., iv, 94, 1834; WILKINSON, Brit. Tort., 94, 1859. Eur., Cal., Oreg.
syn. *argyrana* STEPHENS, Ill. Brit. Ent., Haust., iv, 95, 1834; *pæcilana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 177, 1845; HERRICH-SCHIAEFFER, Schm. Eur., iv, 241, 1851; HEINEMANN, Kleinschm., i, 1, 152, 1863.
- *5135. *vertumnana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 310, 1875. N. Y., Tex.

5136. *celtisana* RILEY, Trans. St. Louis Acad. Sci., iv, 319, 1881. Tex.
- *5137. *matutina* GROTE, Bull. Buff. Soc., i, 92, 1873. Tex.
5138. *illotana* WALSINGHAM, Ill. Lep. Het., iv, 39, 1879. Oreg.
5139. *scudderiana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 358, 1860. No. Atl. States.
- syn. *saligneana* CLEMENS, Proc. Ent. Soc. Phil., v, 141, 1865; PACKARD, Guide Stud. Ins., 337, 1869; RILEY, Rep. Ins. Mo., ii, 134, 1870; *affusana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 307, 1875.
5140. *desertana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 306, 1875. Tex., N. Y.
5140. 1. *obfuscana* RILEY, Proc. Ent. Soc. Wash., i, 33, 1888.^a Atl. States.
- *5141. *tripartitana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 308, 1875. Tex.
5142. *otiosana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 354, 1860. So. Atl. States.
- syn. *inclinana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 301, 1875.
5143. *similana* HÜBNER, Vög. & Schm., f. 71, 1792; Eur. Schm., Tort., f. 41, 1800; FRÖLICH, En. Tort. Würt., 47, 1828. Eur., Me., Mass.
- syn. *bimaculana* DONOVAN, Nat. Hist. Brit. Ins., xiii, pl. 459, 1808; HEINEMANN, Kleinschm., i, 1, 145, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 302, 1875; *dis-similana* TREITSCHKE, Schm. Eur., x, 3, 103, 1835; F. v. RÖSLERSTAMM, Ber. Sch., 170, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 239, 1851; *cervana* EVERSMAAN, Faun. Volg. Ural., 507, 1844.
5144. *dorsisignatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860. Atl. States.
- syn. *similana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; *distigmata* WALKER, Cat. Brit. Mus., xviii, 384, 1863; *clavata* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 303, 1875; *graduatana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879.
- *5145. *adamantana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 303, 1845. N. J.

^a Riley's type specimen closely resembles *desertana* Zeller, but the dark marks are more diffuse, especially the patch near tornus, which is gray, showing no black scales.—HARRISON G. DYAR.

- *5146. **argenteana** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
504, 1895.
- *5147. **aspidana** WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
140, 1884.
- *5148. **biplagata** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
507, 1895.
- *5149. **caniceps** WALSINGHAM, Trans. Ent. Soc. Lond., Mont.
137, 1884.
- *5150. **carolinana** WALSINGHAM, Trans. Ent. Soc. Lond., N. C.
509, 1895.
- *5151. **castaneana** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
511, 1895.
5152. **corosana** WALSINGHAM, Trans. Ent. Soc. Lond., Mont.
139, 1884.
- *5153. **dilatana** WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
510, 1895.
- *5154. **emaciatana** WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
137, 1884.
- *5155. **fuscosparsa** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
507, 1895.
- *5156. **hyponomentana** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
Lond., 502, 1895.
- *5157. **invicta** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
509, 1895.
- *5158. **mediostriata** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
Lond., 508, 1895.
5159. **morrisoni** WALSINGHAM, Trans. Ent. Soc. Lond., Mont.
138, 1884.
- *5160. **ragonoti** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
503, 1895.
- *5161. **serpentana** WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
504, 1895.
- *5162. **smithiana** WALSINGHAM, Trans. Ent. Soc. Lond., Col.
506, 1895.

THIODIA Hübner.

HÜBNER, Verz. bek. Schmett., 391, 1826; WALSINGHAM, Proc. Zool. Soc. Lond., 125, 1897; *Semasia* HERRICH-SCHAEFFER, Schm. Eur., iv, 244, 1851; HEINEMANN, Kleinschm., i, 1, 166, 1863.

5163. **radiatana** WALSINGHAM, Ill. Lep. Het., iv, 55, Nova Scotia,
1879. Me., N. Y.
5164. **olivaceana** RILEY, Trans. St. Louis Acad. Sci., Ill.
iv, 320, 1881.

5165. **formosana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 360, 1860; PACKARD, Guide Stud. Ins., 338, 1869.
 No. Atl. States.
 syn. *sagittana* WALKER, Cat. Brit. Mus., xxviii, 386, 1863; *stercoreana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 290, 1875.
- *5166. **corculana** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 11, 1874.
 Vancouver Island.
5167. **aspidiscana** HÜBNER, Eur. Schmett., Tort., f. 256, 1818; FRÖLICH, En. Tort. Würt., 96, 1828; TREITSCHKE, Schm. Eur., viii, 210, 1830; STEPHENS, Ill. Brit. Ent., Haust., iv, 120, 1834; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 275, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 247, 1851; HEINEMANN, Kleinschm., i, 1, 120, 1863.
 Eur., Oreg.
 syn. *dahlbomiana* ZETTERSTEDT, Ins. Lap., 897, 1840.
- *5168. **ferruginana** FERNALD, Trans. Am. Ent. Soc., x, 72, 1882.
 No. Atl. States.
5169. **succedana** SCHIFFERMÜLLER, Syst. Verz. Wien, 129, 1776; FRÖLICH, En. Tort. Würt., 95, 1828; TREITSCHKE, Schm. Eur., viii, 211, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 302, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 252, 1851; HEINEMANN, Kleinschm., i, 1, 193, 1863.
 Eur., Oreg.
 syn. *asseclana* HÜBNER, Schm. Eur., Tort., f. 194, 1800; *decorana* HAWORTH, Lep. Brit., 437, 1811; *ulicetana* HAWORTH, Lep. Brit., 458, 1811; *lanceolana* STEPHENS, Ill. Brit. Ent., Haust., iv, 121, 1834.
a. gallicana HERRICH-SCHAEFFER, Schm. Eur., iv, 252, 1851.
b. conjunctana MÖSCHLER, Berl. ent. Zeit., 140, 1866.
- *5170. **rossleri** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 291, 1875.
 Cal.
5171. **vestaliana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 286, 1875.
 Tex., Col., Mont.
- *5172. **elongana** WALSINGHAM, Ill. Lep. Het., iv, 56, 1879.
 Oreg.
- *5173. **tarandana** MÖSCHLER, Stett. ent. Zeit., xxiv, 165, 1874.
 Lab., Oreg.
- *5174. **artemisiana** WALSINGHAM, Ill. Lep. Het., iv, 56, 1879.
 Cal.
- *5175. **argenticostana** WALSINGHAM, Ill. Lep. Het., iv, 61, 1879.
 Ariz., Oreg.

- *5176. *spiculana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 289, 1875. Tex.
5177. *striatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. Atl. States.
 syn. *albicepsana* WALKER, Cat. Brit. Mus., xxviii, 379, 1863; *trivittana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 287, 1875.
5178. *tenuiana* WALSINGHAM, Ill. Lep. Het., iv, 59, 1879. Cal., Nev.
- *5179. *clavana* FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. Mass.
- *5180. *pallidicostana* WALSINGHAM, Ill. Lep. Het., iv, 62, 1879. Cal.
- *5181. *griseocapitana* WALSINGHAM, Ill. Lep. Het., iv, 61, 1879. Cal.
- *5182. *taleana* GROTE, Can. Ent., x, 54, 1878. Ill.
- *5183. *perangustana* WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. Cal.
5184. *amphorana* WALSINGHAM, Ill. Lep. Het., iv, 63, 1879. Oreg., Col.
- *5185. *decempunctana* WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. Oreg.
5186. *helianthana* RILEY, Trans. St. Louis Acad. Sci., iv, 319, 1881. Md., Tex.
- *5187. *columbiana* WALSINGHAM, Ill. Lep. Het., iv, 57, 1879. Oreg.
5188. *scalana* WALSINGHAM, Ill. Lep. Het., iv, 57, 1879. Cal., Oreg.
- *5189. *signatana* CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. Atl. States.
 syn. *variana* CLEMENS, Proc. Ent. Soc. Phil., iii, 520, 1864; *aceriella* CLEMENS, Tin., No. Am. 178, 1872; *subnisana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 294, 1875.
5190. *lapidana* WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. Oreg.
- *5191. *sublapidana* WALSINGHAM, Ill. Lep. Het., iv, 59, 1879. Oreg.
- *5192. *parvana* WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. Oreg.
- *5193. *stramineana* WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. Col.
- *5194. *minimana* WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. Cal.

5195. *infusana* WALSINGHAM, Ill. Lep. Het., iv, 62, 1879. Cal.
- *5196. *refusana* WALKER, Cat. Brit. Mus., xxviii, 382, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 63, 1879. Can.
- *5197. *perstructana* WALKER, Cat. Brit. Mus., xxviii, 343, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 64, 1879. Hudson Bay.
- *5198. *offectalis* HULST, Trans. Am. Ent. Soc., xiii, 166, 1886. Col., N. Mex., Cal.
 syn. *bucephaloïdes* WALSINGHAM, Ins. Life, iii, 465, 1891.
5199. *apacheana* WALSINGHAM, Trans. Ent. Soc. Lond., 149, 1884. Ariz.
- *5200. *montanana* WALSINGHAM, Trans. Ent. Soc. Lond., 143, 1884. Mont.
- *5201. *obliterana* WALSINGHAM, Trans. Ent. Soc. Lond., 513, 1895. Ariz., Col.
5202. *ochreicostana* WALSINGHAM, Trans. Ent. Soc. Lond., 141, 1884. Mont.
- *5203. *ochrocephala* WALSINGHAM, Trans. Ent. Soc. Lond., 513, 1895. Col.
- *5204. *octopunctana* WALSINGHAM, Trans. Ent. Soc. Lond., 512, 1895. Col.
- *5205. *transversa* WALSINGHAM, Trans. Ent. Soc. Lond., 514, 1895. Col.

EPISIMUS Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 501, 1891; 122, 1897.

5206. *augmentanus* ZELLER, Hor. Soc. Ent. Ross., xiii, 158, 1877; WALSINGHAM, Proc. Zool. Soc. Lond., 502, 1891; 123, 1897; DYAR, Proc. Ent. Soc. Wash., iv., 468, 1901. Fla., W. I.
5207. *argutanus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 358, 1860; DYAR, Proc. Ent. Soc. Wash., iv, 469, 1901. Can. to Fla., Tex., W. I.
 syn. *allutana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 295, 1875.

EXENTERA Grote.

GROTE, Can. Ent., ix, 227, 1877.

5208. *apriliana* GROTE, Can. Ent., ix, 227, 1877. N. Y., Pa., Col.

HYSTRICOPHORA Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 64, 1879.

- *5209. *leonana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 65, 1879. Cal.

a. aurantiana WALSINGHAM, Ill. Lep. Het., iv, 65, 1879.

PROTEOPTERYX Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 68, 1879.

5210. *emarginana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 68, 1879. Cal., Ariz.
- *5211. *oregonana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 62, 1879. Oreg.
5212. *cressoniana* CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. N. Y., Va.
5213. *deludana* CLEMENS, Proc. Ent. Soc. Phil., iii, 513, 1864. So. Atl. States.
5214. *spoliana* CLEMENS, Proc. Ent. Soc. Phil., iii, 513, 1864. So. Atl. States.
- *5215. *resuptana* WALKER, Cat. Brit. Mus., xxviii, 376, 1863; WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. Nova Scotia, Pa.
- *5216. *virginiana* CLEMENS, Proc. Ent. Soc. Phil., iii, 512, 1864. Va.
5217. *costomaculana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. Me., Pa.
- syn. *bipustulana* WALKER, Cat. Brit. Mus., xxviii, 316, 1863.
- *5218. *pulchellana* CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864. Va.

PROTEOTERAS Riley.

RILEY, Trans. St. Louis Acad. Sci., iv, 321, 1881.

5219. *æsculanum* RILEY, Trans. St. Louis Acad. Sci., iv, 321, 1881. N. Y., Mo., Tex.

EPINOTIA Hübner.

HÜBNER, Verz. bek. Schmett., 377, 1826.

5220. *incarnana* HAWORTH, Lep. Brit., 435, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 120, 1834. Eur., Cal.
- syn. *dealbana* FRÖLICH, En. Tort. Würt., 51, 1828; HERRICH-SCHAEFFER, Schm. Eur., iv, 232, 1851; WILKINSON, Brit. Tort., 120, 1859; HEINEMANN, Kleinschm., i, 1, 207, 1863; *minorana* TREITSCHKE, Schm. Eur., viii, 48, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 573, 1834.

- *5221. **fasciolana** CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864. Me., Mass., N. Y., Pa.
 syn. *blakeana* GROTE, Bull. Buff. Soc., i, 91, 1873.
5222. **lagopana** WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. Cal., Ariz., Mont.
- *5223. **liturana** WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. Cal.
- *5224. **purpuriciliana** WALSINGHAM, Ill. Lep. Het., iv, 72, 1879. Cal.
5225. **salicicolana** CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. Ill.
5226. **saliciana** CLEMENS, Proc. Ent. Soc. Phil., iii, 515, 1864. Ill.
5227. **crispana** CLEMENS, Proc. Ent. Soc. Phil., v, 137, 1865. No. Atl. States.
5228. **augustana** HÜBNER, Schm. Eur., Tort., f. 205, 1818; TREITSCHKE, Schm. Eur., viii, 221, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 486, 1834; ZELLER, Isis, 247, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 272, 1851; HEINEMANN, Kleinschm., i, 1, 219, 1863. Eur., Hudson Bay, Cal.
 syn. *cruciana* ZETTERSTEDT, Ins. Lap., 981, 1840; *pullana* EVERSMAAN, Faun. Volg. Ural., 512, 1844; *direptana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863; *vilisana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863.
5229. **pinicolana** ZELLER, Isis, 242, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 207, 1851; HEINEMANN, Kleinschm., i, 1, 210, 1863. Eur., N. Y., Wis.
 syn. *occultana* WILKINSON, Brit. Tort., 223, 1859.
- *5230. **biangulana** WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. Oreg.
- *5231. **nebulosana** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1866. Lab.
5232. **claypoleana** RILEY, Psyche, iii, 364, 1882; Am. Nat., xvi, 913, 1882; Pap., iii, 191, 1883; PACKARD, Rept. U. S. Ent. Com., v, 654, 1890; LINTNER, Rept. N. Y. St. Ent., xii, 214, 1897. N. Y., Pa., Ohio.
 syn. *instrutana* CLAYPOLE (not CLEMENS), Proc. Am. Assoc. Adv. Sci., 269, 1882; RILEY, Am. Nat., xv, 1009, 1881.
5233. **ratzeburgiana** SAXESEN, Forst-Ins., ii, 227, 1840; FERNALD, Rept. Dept. Agr., 378, 1884; PACKARD, Rept. U. S. Ent. Com., v, 845, 1890. Me., Eur.

- *5234. *pyricolana* MURTFELDT, Bull. no. 23, U. S. Dept. Agr., 52, 1891. Mo.
5235. *lindana* FERNALD, Can. Ent., xxiv, 178, 1892. Can., Mass.
- *5236. *medioplagata* WALSINGHAM, Trans. Ent. Soc. Lond., 516, 1895. Col.

TMETOCERA Lederer.

LEDERER, Wien. ent. Mon., iii, 367, 1859; HEINEMANN, Kleinschm., i, 1, 206, 1863; MEYRICK, Handb. Brit. Lep., 476, 1895.

5237. *ocellana* SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; FABRICIUS, Mant. Ins., ii, 228, 1787; TREITSCHKE, Schm. Eur., viii, 40, 1830; HER-
RICH-SCHAEFFER, Schm. Eur., iv, 233, 1851; WILKINSON, Brit. Tort., 118, 1859; LEDERER, Wien. ent. Mon., iii, 368, 1859; HEINEMANN, Kleinschm., i, 1, 206, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 267, 1875. No.
U. S.,
Eur.
- syn. *luscana* FABRICIUS, Ent. Syst., 255, 1793; FRÖLICH, En. Tort. Würt., 50, 1828; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 203, 1834; *comitana* HÜBNER, Schm. Eur., Tort., f. 16, 1800; *pyrifoliana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; *oculana* HARRIS, Inj. Ins., 482, 1862; SAUNDERS, Can. Ent., iii, 13, 1871.

EUEDEMIS Hübner.

HÜBNER, Verz. bek. Schmett., 382, 1826; MEYRICK, Handb. Brit. Lep., 476, 1895.

5238. *vacciniana* PACKARD, Guide Stud. Ins., 338, 1869; GLOVER, Rept. U. S. Dept. Agr., 85, 1870; SMITH, Bull. no. 4, U. S. Dept. Agr., 10, 1884; SAUNDERS, Inj. Ins., 369, 1889. No.
U. S.,
Cal.
- syn. ? *luctiferana* WALKER, Cat. Brit. Mus., xxviii, 342, 1863.

ANCYLIS Hübner.

HÜBNER, Verz. bek. Schmett., 376, 1826; MEYRICK, Handb. Brit. Lep., 477, 1895; *Phoropteris* TREITSCHKE, Schm. Eur., vii, 232, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 22, 1834.

5239. *mediofasciana* CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 248, 1875. Me.,
Mass.,
N. Y.
5240. *nuberculana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 249, 1875; RILEY, Rept. U. S. Dept. Agr., 239, 1878. No. Atl.
States.
- *5241. *subæquana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 254, 1875. Me.,
Mass.

- *5242. **discigerana** WALKER, Cat. Brit. Mus., xxviii, 384, 1863. No. Atl. States.
5243. **semiovana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 250, 1875. Me., N. Y.
5244. **murtfeldtiana** RILEY, Trans. St. Louis Acad. Sci., iv, 323, 1881. Mo.
5245. **lundana** FABRICIUS, Gen. Ins., 294, 1777; DONOVAN, Nat. Hist. Brit. Ins., xi, pl. 374, f. 1, 1804; HAWORTH, Lep. Brit., 452, 1811; FRÖLICH, En. Tort. Würt., 99, 1828; WILKINSON, Brit. Tort., 138, 1859. Eur., Oreg.
- syn. *badiana* SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; TREITSCHKE, Schm. Eur., viii, 243, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 343, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 285, 1851; HEINEMANN, Kleinschm., i, 1, 225, 1863; *corylana* HÜBNER, Vög. & Schm., f. 63, 1792; Schm. Eur., Tort., f. 53, 1800.
- *5246. **spiræifoliana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860. Pa.
- syn. *metamelana* WALKER, Cat. Brit. Mus., xxviii, 385, 1863; *discoferana* WALKER, Cat. Brit. Mus., xxviii, 386, 1863.
5247. **laciniana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 253, 1875. Mass.
5248. **burgessiana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 252, 1875. Me., Mass.
- *5249. **dubiana** CLEMENS, Proc. Ent. Soc. Phil., iii, 512, 1864. Va.
- *5250. **floridana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 258, 1875. Ohio.
- *5251. **amblygona** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 259, 1875. D. C.
5252. **comptana** FRÖLICH, En. Tort. Würt., 99, 1828; DUPONCHEL, Lép. Fr., suppl., 187, 1844; HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851; WILKINSON, Brit. Tort., 141, 1859; HEINEMANN, Kleinschm., i, 1, 225, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 257, 1875. Can., Ill., Mo.
- syn. *conflerana* WALKER, Cat. Brit. Mus., xxviii, 384, 1863; *fragariæ* WALSH & RILEY, Am. Ent., i, 89, 1869; RILEY, Rep. Ins. Mo., i, 142, 1869; PACKARD, Guide Stud. Ins., 340, 1869.
- *5253. **angulifasciana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 256, 1875. Me., Mass., Ohio.

5254. *platanana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. Pa., Mo., Tex.
 syn. *marcidana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 260, 1875.
5255. *divisana* WALKER, Cat. Brit. Mus., xxviii, 385, 1863; WALSINGHAM, Ill. Lep. Het., iv, 74, 1879. Nova Scotia, Mass.
5256. *apicana* WALKER, Cat. Brit. Mus., xxxv, 1795, 1866; WALSINGHAM, Ill. Lep. Het., iv, 73, 1879. Nova Scotia, Mass., Oreg.
5257. *cornifolia* RILEY, Trans. St. Louis Acad. Sci., iv, 324, 1881. Mass., Pa., Kans.
- *5258. *muricana* WALSINGHAM, Ill. Lep. Het., iv, 74, 1879. D. C.
5259. *uncana* HÜBNER, Schmett. Eur., Tort., f. 76, 1800; HAWORTH, Lep. Brit., 451, 1811; FRÖLICH, En. Tort. Würt., 101, 1828; TREITSCHKE, Schm. Eur., viii, 237, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 335, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851; WILKINSON, Brit. Tort., 137, 1859.
 syn. *geminana* DONOVAN, Nat. Hist. Brit. Ins., xi, 29, 1804; *uncella* HEINEMANN, Kleinschm., i, 1, 224, 1863. Eur., N. H.
5260. *biarcuana* STEPHENS, Cat., ii, 178, 1829; WILKINSON, Brit. Tort., 136, 1859; HEINEMANN, Kleinschm., i, 1, 223, 1863. Eur., Cal.
 syn. *cuspidana* STEPHENS, Ill. Brit. Ent., Haust., iv, 113, 1834; *crenana* DUPONCHEL, Hist. Nat. Lép. Fr., ix, 334, 518, 1834; *fluctigerana* HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851.
- *5261. *goodelliana* FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. N. Eng.
- *5262. *plagosana* CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864. Lab.
5263. *pacificana* WALSINGHAM, Ill. Lep. Het., iv, 73, 1879. Cal., Oreg.
- *5264. *cometana* WALSINGHAM, Ill. Lep. Het., iv, 74, 1879. Cal.
- *5265. *loricana* GROTE, Can. Ent., xii, 218, 1880. Ohio.
- *5266. *tineana* HÜBNER, Schm. Eur., Tort., f. 81, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 284, 1851; HEINEMANN, Kleinschm., i, 1, 223, 1863. Eur., Lab., Me., Mass.
 syn. *ocellana* CLEMENS, Proc. Ent. Soc. Phil., iii, 510, 1864; *leucophaleratana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 56, 1866.
5267. *kincaidiana* FERNALD, Proc. Wash. Acad. Sci., ii, 500, 1900. Alaska.

ENARMONIA Hübner.

HÜBNER, Verz. bek. Schmett., 375, 1826; MEYRICK, Handb. Brit. Lep., 472, 1895; *Grapholita* TREITSCHKE, Schm. Eur., vii, 232, 1829; *Grapholita* HERRICH-SCHAEFFER, Schm. Eur., iv, 253, 1851; LEDERER, Wien. ent. Mon., iii, 330, 1859; HEINEMANN, Kleinschm., i, 1, 177, 1863.

5268. *caryana* FITCH, N. Y. Agr. Rept., xvi, 459, 1856. Atl. States.
syn. *caryæ* SHIMER, Trans. Am. Ent. Soc., ii, 394, 1869.
5269. *prunivora* WALSH, Rept. Ent. Ill., i, 80, 1868. Ill., Mo., Minn.
5270. *interstinctana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 351, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 296, 1875. Atl. States.
syn. *scitana* WALKER, Cat. Brit. Mus., xxviii, 413, 1863; *distema* GROTE, Bull. Buff. Soc., i, 92, 1873.
5271. *bracteata* FERNALD, Rept. U. S. Dept. Agr., 1880, 265, 1881. Cal.
- *5272. *conversana* WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. Oreg.
5273. *albimaculana* FERNALD, Can. Ent., xi, 157, 1879. Me.
5274. *lunatana* WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. Oreg.
- *5275. *tristrigana* CLEMENS, Proc. Ent. Soc. Phil., v, 133, 1865. Mass., Va.
5276. *americana* WALSINGHAM, Ill. Lep. Het., iv, 67, 1879. Cal.
- *5277. *cæruleana* WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. Oreg.
- *5278. *vitranæ* WALSINGHAM, Ill. Lep. Het., iv, 65, 1879. Oreg.
- *5279. *lautana* CLEMENS, Proc. Ent. Soc. Phil., v, 139, 1865 (as *tautana*, typ. err.). Va., Tex.
syn. *perfluana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 299, 1875.
5280. *gallæsaliciana* RILEY, Trans. St. Louis Acad. Sci., iv, 320, 1881. N. Y., Mo., Tex.
- *5281. *trossulana* WALSINGHAM, Ill. Lep. Het., iv, 67, 1879. Cal.
- *5282. *packardi* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 300, 1875. Tex.

- *5283. *parmatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
352, 1860.
- *5284. *duodecemstriata* WALSINGHAM, Trans. Ent. Soc. Ariz.
Lond., 146, 1884.
- *5285. *sebastianiæ* RILEY, Proc. Ent. Soc. Wash., ii, 214, N. Mex.
1892.
- *5286. *larimana* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
518, 1895.

ECDYTOLOPHA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 266, 1875.

5287. *insiticiana* ZELLER, Verh. zool.-bot. Ges. Wien, Mass. to
xxv, 266, 1875. Col.

HEMIMENE Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 499, 1895;
Dichrorampha GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845; LEDERER, Wien. ent.
Mon., iii, 369, 1859; HEINEMANN, Kleinschm., i, 1, 229, 1863.

- *5288. *incanana* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
351, 1860.
- *5289. *simulana* CLEMENS, Proc. Acad. Nat. Sci. Phil., So. Atl.
351, 1860; PACKARD, Guide Stud. Ins., 337, 1869. States.
syn. *aurisignana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 319, 1875.
5290. *alpinana* TREITSCHKE, Schm. Eur., viii, 230, 1830; Eur.,
DUPONCHEL, Hist. Nat. Lép. Fr., ix, 322, 1834; Oreg.
HERRICH-SCHAEFFER, Schm. Eur., iv, 271, 1851;
WILKINSON, Brit. Tort., 105, 1859; HEINEMANN,
Kleinschm., i, 1, 230, 1863.
syn. *politana* GUENÉE, Ann. Soc. Ent. Fr., (2),
iii, 185, 1845; WILKINSON, Brit. Tort., 104,
1859.
5291. *plumbana* SCOPOLI, Ent. Carn., no. 592, 1763; Eur.,
HEINEMANN, Kleinschm., i, 1, 239, 1863. Cal.
syn. *petiverella* SCHIFFERMÜLLER, Syst. Verz.
Wien, 136, 1776; *zachana* TREITSCHKE,
Schm. Eur., viii, 217, 1830; DUPONCHEL,
Hist. Nat. Lép. Fr., ix, 282, 1834; *ulicana*
GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845;
WILKINSON, Brit. Tort., 228, 1859; *blepha-*
rana HERRICH-SCHAEFFER, Schm. Eur., iv,
254, 1851.
5292. *radicolana* WALSINGHAM, Ill. Lep. Het., iv, 75, Oreg.
1879.

LIPOPTYCHA Lederer.

LEDERER, Wien. ent. Mon., iii, 370, 1859; MEYRICK, Handb. Brit. Lep., 503, 1895.

5293. *maculana* FERNALD, Jn. N. Y. Ent. Soc., ix, 51, Fla.
1901.

PAMMENE Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 505, 1895
Phthoroblastis LEDERER, Wien. ent. Mon., iii, 370, 1859.

- *5294. *texanana* WALSINGHAM, Ill. Lep. Het., iv, 70, 1879. Tex.

MELISSOPUS Riley.

RILEY, Trans. St. Louis Acad. Sci., iv, 322, 1881.

5295. *latiferreanus* WALSINGHAM, Ill. Lep. Het., iv, 70, Me. to
1879; RILEY, Trans. St. Louis Acad. Sci., iv, Cal.
322, 1881.

CYDIA Hübner.

HÜBNER, Verz. bek. Schmett., 375, 1826; WALSINGHAM, Proc. Zool. Soc. Lond., 130,
1897; *Carpocapsa* TREITSCHKE, Schm. Eur., vii, 231, 1829; LEDERER, Wien. ent.
Mon., iii, 368, 1859; HEINEMANN, Kleinschm., i, 1, 193, 1863.

5296. *pomonella* LINNÆUS, Syst. Nat., x, 538, 1758; U. S.,
STEPHENS, Ill. Brit. Ent., Haust., iv, 119, 1834; Eur.
WILKINSON, Brit. Tort., 236, 1859; HARRIS, Inj.
Ins., 484, 1862; HEINEMANN, Kleinschm., i, 1,
194, 1863.

syn. *pomonana* SCHIFFERMÜLLER, Syst. Verz.
Wien, 126, 1776; HÜBNER, Schm. Eur., Tort.,
f. 30, 1800; HAWORTH, Lep. Brit., 457,
1811; FRÖLICH, En. Tor. Würt., 78, 1828;
TREITSCHKE, Schm. Eur., viii, 161, 1830;
DUPONCHEL, Hist. Nat. Lép. Fr., ix, 248,
1834; HERRICH-SCHAEFFER, Schm. Eur., iv,
251, 1851; *pomana* FABRICIUS, Ent. Syst., iii,
279, 1793.

5297. *saltitans* WESTWOOD, Proc. Ashmol. Soc., iii, Mex.
137, 1857.

syn. *deshaiana* LUCAS, Ann. Soc. Ent. Fr.,
pl. 16, 1858.

- *5298. *toreuta* GROTE, Bull. Buff. Soc., i, 92, 1873. Pa., Va.,

5298. 1. *ninana* RILEY, Sm. List Lep. Bor. Am., no. Ariz.
5025, 1891.^a

^aIn Riley's types the fore wings are leaden gray with a pale carneous ray in cell and a narrower bent one on submedian fold. Transverse posterior line black and shining plumbeous, from middle of costa bent at middle almost at right angles ending above tornus. Space beyond bright rose pink, costal edge carneous white with several bent brown-black bars, fringe shining plumbeous. Hind wings blackish, fringe pale.—HARRISON G. DYAR.

5311. **maccana** TREITSCHKE, Schm. Eur., suppl., x, 3, 133, 1835; HERRICH-SCHAEFFER, Schm. Eur., iv, 149, 1849; WILKINSON, Brit. Tort., 171, 1859; HEINEMANN, Kleinschm., i, 1, 16, 1863. Eur., Me., Oreg.
 syn. *erebana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 146, 1845.
5312. **logiana** SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; HÜBNER, Schm. Eur., Tort., f. 64, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 143, 1849. Eur., Mass., N. Y., Pa.
 syn. *tristana* HÜBNER, Schm. Eur., Tort., f. 50, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 142, 1849; WILKINSON, Brit. Tort., 167, 1859; HEINEMANN, Kleinschm., i, 1, 17, 1863; *trigonana* STEPHENS, Ill. Brit. Ent., Haust., iv, 1834.
a. viburnana CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.
b. famula ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 214, 1875.
- *5313. **permutana** DUPONCHEL, Hist. Nat. Lép. Fr., ix, 449, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 141, 1849; WILKINSON, Br. Tort., 174, 1859; HEINEMANN, Kleinschm., i, 1, 19, 1863. Eur., Me., Ill., Cal.
- *5314. **nivisellana** WALSINGHAM, Ill. Lep. Het., iv, 2, 1879. Me., N. Y., Cal., Oreg.
5315. **schalleriana** LINNÆUS, Faun. Suec., no. 1339, 1761; HAWORTH, Lep. Brit., no. 73, 1811; HÜBNER, Eur. Schm., Tort., ff. 288, 289, 1823; TREITSCHKE, Schm. Eur., viii, 265, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 152, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 144, 1849; WILKINSON, Brit. Tort., 165, 1859; HEINEMANN, Kleinschm., i, 1, 19, 1863. Eur., Me.
 syn. *latifasciana* HAWORTH, Lep. Br., no. 65, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 159, 1834; *erutana* HERRICH-SCHAEFFER, Schm. Eur., iv, 143, 1849.
5316. **ferrugana** SCHIFFERMÜLLER, Syst. Verz. Wien, 128, 1776; TREITSCHKE, Schm. Eur., viii, 263, 1830; HEINEMANN, Kleinschm., i, 1, 25, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 212, 1875. Eur., Atl. States.
 syn. *gallicolana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; *semiannula* ROBINSON, Trans. Am. Ent. Soc., ii, 282, 1869.

5317. *simpliciana* WALSINGHAM, Ill. Lep. Het., iv, 2, 1879. N. H., Oreg.
- *5318. *oxycoccana* PACKARD, Guide Stud. Ins., 334, 1869. Me., Mass.
5319. *minuta* ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869. So. Atl. States.
- syn. *malivorana* LE BARON, Rept. Ins. Ill., i, 16, 1870; *vacciniivorana* PACKARD, New or Little Known Insects, 1870; Rept. Agr. Mass., 241, 1870; *variolana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 212, 1875.
- a. cinderella* RILEY, Rept. Ins. Mo., iv, 46, 1872.
5320. *foliana* WALSINGHAM, Ill. Lep. Het., iv, 3, 1879; Cal., Col., Ariz.
- DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902.
- *5321. *fishiana* FERNALD, Trans. Am. Ent. Soc., x, 66, 1882. Me.
- *5322. *chalybeana* FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. Me., N. Y.
5323. *cervinana* FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. Mass., Ga.
5324. *americana* FERNALD, Trans. Am. Ent. Soc., x, 66, 1882. Mass., Cal.
- *5325. *angusana* FERNALD, Can. Ent., xxiv, 178, 1892. Me.
- *5326. *comandrana* FERNALD, Can. Ent., xxiv, 121, 1892. Mass., Pa., Tex.
5327. *variana* FERNALD, Rept. U. S. Ent. Com., v, 847, 1890. Me.

SYNNOMA Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 24, 1879.

- *5328. *lynosyrana* WALSINGHAM, Ill. Lep. Het., iv, 24, 1879. Cal.

EPAGOGE Hübner.

HÜBNER, Verz. bek. Schmett., 389, 1826; MEYRICK, Handb. Brit. Lep., 527, 1895; *Dichelia* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 141, 1845; HEINEMANN, Kleinschm., i, 1, 50, 1863.

5329. *pulcherrimana* WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. Tex.
5330. *caryæ* ROBINSON, Trans. Am. Ent. Soc., ii, 270, 1869. Pa., Ill., Tex.

5331. **sulfureana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 273, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 230, 1875. Atl.
States.
 syn. *gratana* WALKER, Cat. Brit. Mus., xxviii, 359, 1863; *fulvorozeana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; *virginiana* CLEMENS, Proc. Ent. Soc. Phil., iii, 517, 1864; *gallivorana* CLEMENS, Proc. Ent. Soc. Phil., iii, 517, 1864; *gracilana* WALSINGHAM, Ill. Lep. Het., iv, 18, 1879.
a. belfrageana ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 232, 1875. Tex.
- *5332. **demissana** WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. Tex.
- *5333. **californiana** WALSINGHAM, Ill. Lep. Het., iv, 21, 1879. Cal.
5334. **tunicana** WALSINGHAM, Ill. Lep. Het., iv, 20, 1879. Cal.
- CENOPIS Zeller.
- ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 239, 1875.
5335. **reticulatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 272, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 233, 1875. Atl.
States.
 syn. *subauratana* WALKER, Cat. Brit. Mus., xxviii, 289, 1863; *directana* WALKER, Cat. Brit. Mus., xxviii, 309, 1863.
a. mesospila ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 233, 1875.
5336. **pettitana** ROBINSON, Trans. Am. Ent. Soc., ii, 269, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 240, 1875. Atl.
States.
5337. **diluticostana** WALSINGHAM, Ill. Lep. Het., iv, 18, 1879. Atl.
States.
 syn. *quercana* FERNALD, Trans. Am. Ent. Soc., x, 69, 1882.
- *5338. **niveana** WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. Can.
- *5339. **groteana** FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. Ohio.
5340. **testulana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 241, 1875. Tex.
- *5341. **cana** ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869. N. Y.,
Pa.

CAPUA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 171, 1834; WESTWOOD, Intr. Class. Ins., i, 109, 1839; WILKINSON, Brit. Tort., 112, 1859; MEYRICK, Handb. Brit. Lep., 527, 1895.

5342. *furcatana* WALKER, Cat. Brit. Mus., xxviii, 319, 1863; ROBINSON, Trans. Am. Ent. Soc., ii, 270, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 232, 1875; WALSINGHAM, Ill. Lep. Het., iv, 21, 1879. N. Y., Pa., Ohio.

5343. *lentiginosana* WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. Tex.

CÆLOSTATHMA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860.

5344. *discopunctana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 234, 1875. Atl. States.

SPARGANOTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 386, 1826; MEYRICK, Handb. Brit. Lep., 528, 1895; *Enectra* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 142, 1845; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 228, 1885.

5345. *pillariana* SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; FABRICIUS, Mant. Ins., ii, 227, 1777; Ent. Syst., iii, 2, 251, 1794; HÜBNER, Schm. Eur., Tort., f. 172, 1800; TREITSCHKE, Schm. Eur., viii, 83, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 91, 1834; GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 142, 1845; DUPONCHEL, Cat. Méth., 1845; HERRICH-SCHAEFFER, Schm. Eur., iv, 162, 1849; WILKINSON, Brit. Tort., 40, 1859; HEINEMANN, Kleinschm., i, 1, 50, 1863. Eur., Tex., Cal.
- syn. *vitana* FABRICIUS, Ent. Syst., iii, 2, 249, 1794; *luteolana* HÜBNER, Eur. Schmett., Tort., f. 136, 1800.

5346. *rudana* WALSINGHAM, Ill. Lep. Het., iv, 16, 1879. Cal., Oreg.

5347. *senecionana* WALSINGHAM, Ill. Lep. Het., iv, 17, 1879. Cal., Oreg.

5348. *puritana* ROBINSON, Trans. Amer. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 229, 1875. No. Atl. States.

syn. *unifasciana* CLEMENS (not DUPONCHEL), Proc. Ent. Soc. Phil., iii, 516, 1864.

5349. **xanthoides** WALKER, Cat. Brit. Mus., xxvii, 190, 1863; xxviii, 290, 1863; WALSINGHAM, Ill. Lep. Het., iv, 20, 1879. Atl. States, B. C.
 syn. *breviornatana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 269, 1869.
5350. **irrorea** ROBINSON, Trans. Am. Ent. Soc., ii, 274, 1869. Me., Mass., N. Y., Col.
5351. **inconditana** WALSINGHAM Ill. Lep. Het., iv, 16, 1879. Cal., Oreg.
5352. **violaceana** ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 229, 1875. Me., Mass., N. Y., Wis.
- *5353. **flavibasana** FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. Tex., Ill.
5354. **distincta** WALSINGHAM, Trans. Ent. Soc. Lond., 126, 1884. Ariz.
- *5355. **striata** WALSINGHAM, Trans. Ent. Soc. Lond., 126, 1884. Mont.

ARCHIPS Hübner.

HÜBNER, Tent., 2, 1806; WALSINGHAM, Proc. Zool. Soc. Lond., 133, 1897; *Cacæcia* HÜBNER, Verz. bek. Schmett., 388, 1826; HEINEMANN, Kleinschm., i, 1, 32, 1863.

5356. **rosaceana** HARRIS, Inj. Ins., 1st ed., 348, 1841; 3d ed., 481, 1862; FITCH, Rep. Ins. N. Y., iii, 28, 1859; CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 262, 1869; PACKARD, Guide Stud. Ins., 335, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 215, 1875. No. U. S., Col.
 syn. *vicariana* WALKER, Cat. Brit. Mus., xxviii, 287, 1863; *gossypiana* PACKARD, Guide Stud. Ins., 335, 1869; *arctica* MÖSCHLER, Stett. ent. Zeit., xxxv, 164, 1874.
5357. **purpurana** CLEMENS, Proc. Ent. Soc. Phil., 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 263, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 215, 1875. No. Atl. States.
 syn. *gurgitana* ROBINSON, Trans. Am. Ent. Soc., ii, 263, 1869; *lintneriana* GROTE, Trans. Am. Ent. Soc., iv, 424, 1873.
5358. **infumatana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 216, 1875. Wis., Mo.

5359. **rosana** LINNÆUS, Syst. Nat., x, 530, 1758; HAWORTH, Lep. Brit., no. 96, 1811; GEYER, Schm. Eur., Tort., f. 302, 1830; WILKINSON, Brit. Tort., 63, 1859; HEINEMANN, Kleinschm., i, 1, 34, 1863. Eur., N. Y.
 syn. *ameriana* LINNÆUS, Syst. Nat., x, 531, 1758; FABRICIUS, Syst. Ent., 647, 1775; *lævigana* SCHIFFERMÜLLER, Syst. Verz. Wien, 129, 1776; FABRICIUS, Ent. Syst., 253, 1793; TREITSCHKE, Schm. Eur., viii, 62, 1830; STEPHENS, Ill. Brit. Ent., Haust., iv, 74, 1834; FISCHER v. RÖSLERSTAMM, Ber. Schm., 17, 1838; HERRICH-SCHAEFFER, Schm. Eur., iv, 159, 1849; *variana* FABRICIUS, Mant. Ins., ii, 231, 1787; *oxyacanthana* HÜBNER, Schm. Eur., Tort., f. 117, 1800; HAWORTH, Lep. Brit., no. 97, 1811; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 74, 1834; *acerana* HÜBNER, Schm. Eur., Tort., f. 118, 1800; FRÖLICH, En. Tort. Würt., 31, 1828; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 76, 1834; *branderiana* HAWORTH, Lep. Brit., no. 94, 1811; *fuscana* HAWORTH, Lep. Brit., no. 95, 1811; *nebulana* STEPHENS, Ill. Brit. Ent., Haust., iv, 74, 1834.
5360. **cerasivorana** FITCH, N. Y. Agr. Rep., 382, 1856; ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 217, 1875. No. U. S., Cal.
5361. **rileyana** GROTE, Trans. Am. Ent. Soc., ii, 121, 1868; ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; RILEY, Rep. Ins. Mo., i, 153, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 221, 1875. Ga., Tex., Mo.
 syn. *fervidana* WALKER (not CLEMENS), Cat. Brit. Mus., xxviii, 313, 1863.
5362. **parallela** ROBINSON, Trans. Am. Ent. Soc., ii, 267, 1869. Me. to Ill.
5363. **zapulata** ROBINSON, Trans. Am. Ent. Soc., ii, 264, 1869. Ill., Mo.
5364. **obsoletana** WALKER, Cat. Brit. Mus., xxviii, 288, 1863; WALSINGHAM, Ill. Lep. Het., iv, 11, 1879. Atl. States.
 syn. *transiturana* WALKER, Cat. Brit. Mus., xxviii, 312, 1863; WALSINGHAM, Ill. Lep. Het., iv, 8, 1879; *vesperana* CLEMENS, Proc. Ent. Soc. Phil., v, 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869; *sanhornana* ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869.

5365. **argyropsila** WALKER, Cat. Brit. Mus., xxviii, 373, 1863; WALSINGHAM, Ill. Lep. Het., iv, 8, 1873. No. U. S., Cal., Col.
 syn. *furvana* ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 13, 1875; *v-signatana* PACKARD, Rept. Agr. Mass., 238, 1870.
a. vividana DYAR, Proc. Ent. Soc. Wash., v, 78, 1902; Proc. U. S. Nat. Mus., xxv, 400, 1902.
5366. **semiferana** WALKER, Cat. Brit. Mus., xxviii, 336, 1863; WALSINGHAM, Ill. Lep. Het., iv, 7, 1879. Atl. States, Col.
 syn. *flaccidana* ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 13, 1875.
5367. **negundana** DYAR, Proc. Ent. Soc. Wash., v, 78, 1902; Proc. U. S. Nat. Mus., xxv, 401, 1902. Atl. States, Col.
5368. **fervidana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860. Mass., N. Y., Pa.
 syn. *paludana* ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869.
- *5369. **magnoliana** FERNALD, Can. Ent., xxiv, 121, 1892. N. Y.
5370. **georgiana** WALKER, Cat. Brit. Mus., xxviii, 372, 1863; GROTE, Bull. Buff. Soc., i, 15, 1873; WALSINGHAM, Ill. Lep. Het., iv, 9, 1879. So. Atl. States, Brazil.?
5371. **fractivittana** CLEMENS, Proc. Ent. Soc. Phil., v, 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869. So. Atl. States.
 syn. *fumosa* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869.
5372. **grisea** ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869. Tex., Ohio, Mo.
5373. **afflictana** WALKER, Cat. Brit. Mus., xxviii, 337, 1863; WALSINGHAM, Ill. Lep. Het., iv, 14, 1879. No. U. S., Cal.
 syn. *fuscolineana* CLEMENS, Proc. Ent. Soc. Phil., v, 137, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869.
5374. **musculana** HÜBNER, Schm. Eur., Tort., f. 98, 1800; FRÖLICH, En. Tort. Würt., 34, 1828; TREITSCHKE, Schm. Eur., viii, 175, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 381, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 168, 1849; WILKINSON, Brit. Tort., 56, 1859; HEINEMANN, Kleinschm., i, 1, 39, 1863. Eur., Oreg.
 syn. *trifasciana* HAWORTH, Lep. Brit., no. 100, 1811.

5375. **virescana** CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865. Me. to Cal., Ariz.
 syn. *sescuplana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 220, 1875.
- *5376. **glaucana** WALSINGHAM, Ill. Lep. Het., iv, 13, 1879. So. Oreg.
5377. **clemensiana** FERNALD, Can. Ent., xi, 155, 1879. Me., Mass., N. Y., Wis.
- *5378. **retiniana** WALSINGHAM, Ill. Lep. Het., iv, 12, 1879. Cal.
5379. **persicana** FITCH, N. Y. Agr. Rept., 357, 1856. No. Atl. States.
 syn. *blandana* CLEMENS, Proc. Ent. Soc. Phil., iii, 515, 1864; *fragariana* PACKARD, Guide Stud. Ins. 335, 1869; *conigerana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 227, 1875.
5380. **melaleucana** WALKER, Cat. Brit. Mus., xxviii, 335, 1863; ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 223, 1875; WALSINGHAM, Ill. Lep. Het., iv, 10, 1879. No. Atl. States.
 syn. *inverana* WALKER, Cat. Brit. Mus., xxviii, 358, 1863; *semifuscana* CLEMENS, Proc. Ent. Soc. Phil., iii, 519, 1864.
- *5381. **dissitana** GROTE, No. Am. Ent., i, 29, 1879. Me. to Ohio.

PLATYNOTA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 235, 1875.

5382. **flavedana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 236, 1875. Atl. States.
 syn. *coneursana* WALKER, Cat. Brit. Mus., xxviii, 324, 1863; *laterana* ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869.
5383. **rostrana** WALKER, Cat. Brit. Mus., xxviii, 290, 1863; WALSINGHAM, Ill. Lep. Het., iv, 5, 1879. Fla., Santo Dom., Venezuela.
 syn. *restitutana* WALKER, Cat. Brit. Mus., xxviii, 292, 1863; *connerana* WALKER, Cat. Brit. Mus., xxviii, 293, 1863.
- *5384. **tinctana** WALKER, Cat. Brit. Mus., xxviii, 289, 1863. Tex.
5385. **labiosana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 237, 1875; DYAR, Proc. U. S. Nat. Mus., xxv, 402, 1902. Tex., Col.

5386. **exasperatana** ZELLER, Verh. zool.-bot. Ges. Wien, Me., N. Y.,
xxv, 238, 1875. Tex.
- *5387. **sentana** CLEMENS, Proc. Acad. Nat. Sci. Phil., Me. to
348, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, Tex.
277, 1869; ZELLER, Verh. zool.-bot. Ges. Wien,
xxv, 235, 1875.
- *5388. **metallicana** WALSINGHAM, Trans. Ent. Soc. Fla.
Lond., 497, 1895.
- *5389. **nigrocervina** WALSINGHAM, Trans. Ent. Soc. Col.
Lond., 495, 1895.
- *5390. **semiustana** WALSINGHAM, Trans. Ent. Soc. Lond., N. C.
128, 1884.

PANDEMIS Hübner.

HÜBNER, Verz. bek. Schmett., 388, 1826; HEINEMANN, Kleinschm., i, 1, 35, 1863;
MEYRICK, Handb. Brit. Lep., 533, 1895.

5391. **limitata** ROBINSON, Trans. Am. Ent. Soc., ii, Pa.,
264, 1869. Mo.
- *5392. **lamprosana** ROBINSON, Trans. Am. Ent. Soc., ii, Atl.
264, 1869. States.
- *5393. **albaniana** WALKER, Cat. Brit. Mus., xxviii, 288, Hudson Bay,
1863; WALSINGHAM, Ill. Lep. Het., iv, 11, 1879. Cal.

TORTRIX Linnæus.

LINNÆUS, Syst. Nat., x, 1, 530, 1758; MEYRICK, Handb. Brit. Lep., 534, 1895.

5394. **alleniana** FERNALD, Trans. Am. Ent. Soc., x, 68, Me.
1882.
5395. **citrana** FERNALD, Ent. Amer., v, 18, 1889; Bull. Cal.
no. 18, n. ser., U. S. Dept. Agr., 99, 1898.
5396. **pallorana** ROBINSON, Trans. Am. Ent. Soc., ii, Atl. States,
266, 1869. Mont.
- *5397. **lata** ROBINSON, Trans. Am. Ent. Soc., ii, 266, Mass., Pa.,
1869. Ill.
- *5398. **houstonana** GROTE, Bull. Buff. Soc., i, 18, 1873. Tex.
syn. *retana* WALSINGHAM, Ill. Lep. Het., iv,
13, 1879.
5399. **quercifoliana** FITCH, N. Y. Agr. Rep., 826, 1858. N. Y., Tex.
syn. *trifurculana* ZELLER, Verh. zool.-bot.
Ges. Wien, xxv, 226, 1875.
5400. **albicomana** CLEMENS, Proc. Ent. Soc. Phil., v, Atl. States.
137, 1865; ROBINSON, Trans. Am. Ent. Soc., ii,
273, 1869; ZELLER, Verh. zool.-bot. Ges. Wien,
xxv, 227, 1875.

5401. **bergmanniana** LINNÆUS, Syst. Nat., x, 531, 1758; SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; FABRICIUS, Ent. Syst., iii, 273, 1793; FRÖLICH, En. Tort. Würt., 76, 1828; TREITSCHKE, Schm. Eur., viii, 121, 1830; GEYER, Schm. Eur., Tort., f, 340, 1834; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 114, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 173, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 170, 1849; WILKINSON, Brit. Tort., 153, 1859; HEINEMANN, Kleinschm., i, 1, 48, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 11, 1874.
syn. *rosana* HÜBNER, Schm. Eur., Tort., f. 137, 1800. Eur.,
Vanc. Id.
5402. **peritana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869. Atl. States.
syn. *inconclusana* WALKER, Cat. Brit. Mus., xxviii, 318, 1863.
- *5403. **franciscana** WALSINGHAM, Ill. Lep. Het., iv, 13, 1879. Cal.
- *5404. **fucana** WALSINGHAM, Ill. Lep. Het., iv, 12, 1879. Oreg.
5405. **ivana** FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. Fla.
- *5405. 1. **semicirculana** FERNALD, Trans. Am. Ent. Soc., x, 68, 1882. Col.
5406. **fumiferana** CLEMENS, Proc. Ent. Soc. Phil., v, 139, 1865. No. U. S.
syn. *nigridia* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869.
5407. **packardiana** FERNALD, Rept. U. S. Ent. Com., v, 849, 1890; Bull. no. 12, U. S. Dept. Agr., 20, 1886. Me.
5408. **conflictana** WALKER, Cat. Brit. Mus., xxviii, 323, 1863; WALSINGHAM, Ill. Lep. Het., iv, 10, 1879. No. Atl.
States.
5409. **osseana** SCOPOLI, Ent. Carn., 238, 1763; HEINEMANN, Kleinschm., i, 1, 54, 1863. Eur., Lab.,
Alaska.
syn. *quadripunctana* HAWORTH, Lep. Brit., no. 237, 1811; *pratana* HÜBNER, Schm. Eur., Tort., ff. 227, 228, 1818; FRÖLICH, En. Tort. Würt., 67, 1828; TREITSCHKE, Schm. Eur., viii, 101, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 446, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 178, 1849; WILKINSON, Br. Tort., 257, 1859; *boreana* ZETTERSTEDT, Ins. Lap., 980, 1840.
- *5410. **niveosana** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 55, 1866. Lab.

5411. **argentana** CLERCK, Icon., pl. 11, f. 14, 1759; SCHIFFERMÜLLER, Syst. Verz. Wien, 127, 1776; HÜBNER, Schm. Eur., Tort., f. 86, 1800. Eur., Cal., Nev., Alaska.
 syn. *goiiana* LINNÆUS, Faun. Succ., 349, 1761; *gouana* LINNÆUS, Syst. Nat., xii, 879, 1767; FABRICIUS, Sp. Ins., 283, 1781; FRÖLICH, En. Tort. Würt., 67, 1828; TREITSCHKE, Schm. Eur., viii, 102, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 444, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 177, 1849; HEINEMANN, Kleinschm., i, 1, 54, 1863; *gorana* FABRICIUS, Syst. Ent., 651, 1775; *magnana* HÜBNER, Schm. Eur., Tort., ff. 225, 226, 1818; *margaratalis* HÜBNER, Schm. Eur., Pyr., f. 48, 1796; *georgiella* HULST, Ent. Am., iii, 136, 1887.
- *5412. **basiplagana** WALSINGHAM, Ill. Lep. Het., iv, 23, 1879. Tex.
5413. **trigonana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. Cal.
5414. **horariana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. Oreg.
5415. **möschleriana** WOCKE, Stett. ent. Zeit., 45, 1862. Lab., White Mts., Alaska.
 syn. *algidana* MÖSCHLER, Wien. ent. Mon., vi, 138, 1862; ROBINSON, Trans. Am. Ent. Soc., ii, 272, 1869; PACKARD, Guide Stud. Ins., 334, 1869.
- *5416. **arizonana** WALSINGHAM, Trans. Ent. Soc. Lond., 124, 1884. Ariz.
- *5417. **indivisana** WALKER, Cat. Brit. Mus., xxviii, 344, 985, 1863. Hudson Bay.

EULIA Hübner.

- HÜBNER, Verz. bek. Schmett., 392, 1826; *Lophoderus* STEPHENS, Cat. Brit. Ins., ii, 184, 1829; Ill. Brit. Ent., Haust., iv, 143, 1834; WESTWOOD, Class. Ins., i, 108, 1839; HEINEMANN, Kleinschm., i, 1, 41, 1863.
5418. **ministrana** LINNÆUS, Syst. Nat., x, 531, 1758; SCHIFFERMÜLLER, Syst. Verz. Wien, 128, 1776; HAWORTH, Lep. Brit., no. 10, 1811; FRÖLICH, En. Tort. Würt., 42, 1828; TREITSCHKE, Schm. Eur., viii, 89, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 96, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 175, 1849; WILKINSON, Brit. Tort., 17, 1859; HEINEMANN, Kleinschm., i, 1, 43, 1863. No. Atl. States., Eur.
 syn. *ferrugana* HÜBNER, Eur. Schmett., Tort., f. 56, 1800; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 478, 1834; *subfascianus* STEPHENS, Ill. Brit. Ent., Haust., iv, 144, 1834.

5419. **quadrifasciana** FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. No. Atl. States.
- *5420. **juglandana** FERNALD, Can. Ent., xi, 155, 1879. Mass. to Minn.
5421. **triferana** WALKER, Cat. Brit. Mus., xxviii, 314, 1863; WALSINGHAM, Ill. Lep. Het., iv, 15, 1879. Atl. States.
syn. *incertana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869.
5422. **amatana** DYAR, Jn. N. Y. Ent. Soc., ix, 24, 1901. Fla.
5423. **politana** HAWORTH, Lep. Brit., no. 229, 1811; WILKINSON, Brit. Tort., 271, 1859; HEINEMANN, Kleinschm., i, 1, 41, 1863; FERNALD, Rept. U. S. Dept. Agr., 1880, 264, 1881. Eur., No. Atl. States.
syn. *sylvana* TREITSCHKE, Schm. Eur., viii, 109, 1830; FISCHER v. RÖSLERSTAMM, Ber. Schm., 40, 1838; HERRICH-SCHAEFFER, Schm. Eur., iv, 162, 1849; *pulchellana* STEPHENS, Ill. Brit. Ent., Haust., iv, 135, 1834.
5424. **velutinana** WALKER, Cat. Brit. Mus., xxviii, 313, 1863. Atl. States.
syn. *lutosana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 279, 1869.
- *5425. **gloverana** WALSINGHAM, Ill. Lep. Het., iv, 14, 1879. N. Y., Cal.
5426. **coloradana** FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. Col.
- *5427. **mariana** FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. Fla.
5428. **alisellana** ROBINSON, Trans. Am. Ent. Soc., ii, 267, 1869. Ohio.

AMORBIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860; *Hendecastema* WALSINGHAM, Ill. Lep. Het., iv, 4, 1879.

5429. **humerosana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869. No. Atl. States.
5430. **cuneana** WALSINGHAM, Ill. Lep. Het., iv, 4, 1879. Cal.
a. abumbrana WALSINGHAM, Ill. Lep. Het., iv, 5, 1879.

Subfamily PHALONIINÆ.

PHALONIA Hübner.

HÜBNER, Verz. bek. Schmett., 393, 1826; MEYRICK, Handb. Brit. Lep., 545, 1895; *Cochylis* TREITSCHKE, Schm. Eur., vii, 233, 1829; viii, 272, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 23, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 185, 1834; *Conchylis* SODOFFSKY, Bull. Imp. Soc. Mosc. (Sep.), 20, 1837; LEDERER, Wien. ent. Mon., iii, 273, 1859; HEINEMANN, Kleinschm., i, 1, 68, 1863.

*5431. **floccosana** WALKER, Cat. Brit. Mus., xxviii, 358, 1863; WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. Nova Scotia, Pa.
syn. *confusana* ROBINSON, Trans. Am. Ent. Soc., ii, 274, 1869.

*5432. **vitellinana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 243, 1875. Me., N. H., Mass.

*5433. **straminoides** GROTE, Bull. Buff. Soc., i, 16, 1873. N. Y.

*5434. **scissana** WALKER, Cat. Brit. Mus., xxviii, 360, 1863; WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. Nova Scotia.

5435. **smeathmanniana** FABRICIUS, Sp. Ins., 278, 1781; FRÖLICH, En. Tort. Würt., 39, 1828; TREITSCHKE, Schm. Eur., viii, 274, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 413, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 185, 1851; WILKINSON, Brit. Tort., 313, 1859; HEINEMANN, Kleinschm., i, 1, 80, 1863. Eur., Me., Cal.
syn. *fabriciana* HÜBNER, Schm. Eur., Tort., f. 149, 1800; HAWORTH, Lep. Brit., 401, 1811; *stachydana* HERRICH-SCHAEFFER, Schm. Eur., iv, 185, 1851.

5436. **kindermanniana** TREITSCHKE, Schm. Eur., viii, 276, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 415, 1834; F. v. RÖSLERSTAMM, Ber. Schm., 18, 1838; HERRICH-SCHAEFFER, Schm. Eur., 184, 1851; HEINEMANN, Kleinschm., i, 1, 80, 1863. Eur., Cal.

5437. **deutschiana** ZETTERSTEDT, Ins. Lap., 981, 1840; WOCKE, Stett. ent. Zeit., 48, 1862; 204, 1864. Eur., Lab.
syn. *lutulentana* HERRICH-SCHAEFFER, Neu. Schm., p. 5, f. 35, 1856; LAHARPE, Tort., 40, 1857; *fuscostrigana* CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864; *chalcana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 56, 1866.

*5438. **felix** WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895. Col.

5439. **rutilana** HÜBNER, Schm. Eur., Tort., f. 249, 1818; FRÖLICH, En. Tort. Würt., 74, 1828; HERRICH-SCHAEFFER, Schm. Eur., iv, 182, 1851; WILKINSON, Brit. Tort., 318, 1859; HEINEMANN, Kleinschm., i, 1, 78, 1863; RILEY, Rep. U. S. Dept. Agr., 1878, 247, 1879. Eur., Me., N. Y.

5440. **dorsimaculana** ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869. Pa., Tex.
 syn. *angustana* CLEMENS (not HÜBNER), Proc. Acad. Nat. Sci. Phil., 354, 1860.
- *5441. **promptana** ROBINSON, Trans. Am. Ent. Soc., ii, 286, 1869. Pa., Tex.
- *5442. **fernaldana** WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. Cal., Oreg.
- *5443. **seriatana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 244, 1875. Tex.
- *5444. **intactana** WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. Cal.
- *5445. **angulatana** ROBINSON, Trans. Am. Ent. Soc., ii, 286, 1869. Pa. to Tex.
5446. **argentilimitana** ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 242, 1875. Mass., Pa., Tex.
- *5447. **parallelana** WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. Cal.
- *5448. **transversana** WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. Cal.
- *5449. **labeculana** ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. Pa.
- *5450. **lepidana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. Pa.
- *5451. **interruptofasciata** ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. Pa.
5452. **bunteana** ROBINSON, Trans. Am. Ent. Soc., ii, 288, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 245, 1875. Atl. States.
5453. **cœnotherana** RILEY, Trans. St. Louis Acad. Sci., iv, 316, 1881. Atl. States.
5454. **erigeronana** RILEY, Trans. St. Louis Acad. Sci., iv, 316, 1881. Tex.
- *5455. **hospes** WALSINGHAM, Trans. Ent. Soc. Lond., 131, 1884. N. C.
- *5456. **latipunctana** WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. Cal.
- *5457. **dilutana** WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. Oreg.
- *5458. **nana** HAWORTH, Lep. Brit., 439, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 182, 1834. Eur., Nova Scotia.
 syn. *carneana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 298, 1845; *ochreoalbana* WALKER, Cat. Brit. Mus., xxviii, 375, 1863.

- *5459. *campicolana* WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. Cal.
- *5460. *parvimaculana* WALSINGHAM, Ill. Lep. Het., iv, 30, 1879. Oreg.
- *5461. *glaucofuscana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 245, 1875. Tex.
5462. *dubitana* HÜBNER, Schm. Eur., Tort., f. 82, 1800; FRÖLICH, En. Tort. Würt., 52, 1828; TREITSCHKE, Schm. Eur., viii, 283, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 420, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 183, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 192, 1851; WILKINSON, Brit. Tort., 298, 1859; HEINEMANN, Kleinschm., i, 1, 90, 1863. Eur., Nova Scotia.
syn. *albidana* WALKER, Cat. Brit. Mus., xxxv, 1807, 1866.
5463. *comes* WALSINGHAM, Trans. Ent. Soc. Lond., 129, 1884. Ariz.
- *5464. *dorsistriatana* WALSINGHAM, Trans. Ent. Soc. Lond., 132, 1884. Ariz.
- *5465. *edwardsiana* WALSINGHAM, Trans. Ent. Soc. Lond., 128, 1884. Ariz.
- *5466. *fulvotinctana* WALSINGHAM, Trans. Ent. Soc. Lond., 132, 1884. Ariz.

COMMOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 392, 1826; MEYRICK, Handb. Brit. Lep., 555, 1895; *Phtheochroa* STEPHENS, Cat. Brit. Ins., ii, 191, 1829; Ill. Brit. Ent., Haust., iv, 184, 1834; LEDERER, Wien. ent. Mon., iii, 279, 1859; WILKINSON, Brit. Tort., 280, 1859; HEINEMANN, Kleinschm., i, 1, 90, 1863.

5467. *macrocarpana* WALSINGHAM, Trans. Ent. Soc. Lond., 499, 1895. Cal.
- *5468. *saxicolana* WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. Oreg.

PSEUDOCONCHYLIS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 133, 1884.

5469. *laticapitana* WALSINGHAM, Trans. Ent. Soc. Lond., 133, 1884. Cal.

PHARMACIS Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 111, 1823.

5470. *sartana* HÜBNER, Zutr. exot. Schmett., ii, 111, 1823. Pa. to Fla.
- *5471. *bimaculana* ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 243, 1875. Tex., Mo.

HYSTEROSIA Stephens.

STEPHENS, List Brit. Mus., x, 85, 1852; WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895; *Idiographis* LEDERER, Wien. ent. Mon., iii, 242, 1859.

5472. *inopiana* HAWORTH, Lep. Brit., 469, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 192, 1834; WILKINSON, Brit. Tort., 100, 1859; NOLCKEN, Stett. ent. Zeit., xxx, 283, 1869. No. U. S., Eur.

syn. *centrana* HERRICH-SCHAEFFER, Schm. Eur., iv, 205, 1851; LEDERER, Wien. ent. Mon., iii, 246, 1859; HEINEMANN, Kleinschm., i, 1, 38, 1863.

- *5473. *fulviplicana* WALSINGHAM, Ill. Lep. Het., iv, 25, 1879. Cal.

- *5474. *ægrana* WALSINGHAM, Ill. Lep. Het., iv, 26, 1879. Oreg.

- *5475. *aureoalbida* WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895. Col.

CARPOSINA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Eur. Schmett., v, 38, 1855; FERNALD, Can. Ent., xxv, 96, 1893.

- *5475. 1. *crescentella* WALSINGHAM, Trans. Am. Ent. Soc., x, 189, 1882. (Unknown.)

Family YPONOMEUTIDÆ.

(C.=DYAR, Can. Ent., xxxii, 37-41, 84-86, 1900.)

MARTYRINGA Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902.

5476. *latipennis* WALSINGHAM, Trans. Am. Ent. Soc., x, 190, 1882; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. Atl. States.

YPONOMEUTA Latreille.

LATREILLE, Gen. Crust. Ins., iv, 222, 1796; DYAR, C. 38.

5477. *multipunctella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Tin. No. Am., 95, 1872; CHAMBERS, Can. Ent., iv, 42, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 228, 1873; RILEY, Proc. Am. Ass. Adv. Sci., 617, 1880; DYAR, C. 38. Atl. States.

syn. *ordinatellus* WALKER, *euonymella* CHAMBERS, *orbimaculella* CHAMBERS, *wakarusa* GAUMER.

MIEZA Walker.

WALKER, Cat. Brit. Mus., ii, 527, 1854; DYAR, C. 39.

5478. *subfervens* WALKER, Cat. Brit. Mus., ii, 528, 1854; DYAR, C. 39. Tex.

5479. *psammitis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 562, 1872; DYAR, C. 39. Tex.

5480. *igninix* WALKER, Cat. Brit. Mus., ii, 527, 1854; DYAR, C. 39. Fla.

syn. *crassinervella* ZELLER.

ATTEVA Walker.

WALKER, Cat. Brit. Mus., ii, 526, 1854; *Ela* GROTE, Proc. Ent. Soc. Phil., v, 230, 1865; DYAR, C. 39.

5481. *aurea* FITCH, Third Rept. Ins. N. Y., 168, 1856; DYAR, C. 39. So. States.

syn. *compta* CLEMENS.

5482. *gemmata* GROTE, Bull. Buff. Soc., i, 93, 1873; CHAPMAN, Jn. N. Y. Ent. Soc., v, 127, 1897; DYAR, C. 39. Fla.

syn. *fastuosa* ZELLER, Hor. Soc. Ent. Ross., xiii, 225, 1877; WALSINGHAM, Proc. Zool. Soc. Lond., 113, 1897; *floridana* NEUMOESEN.

TRICHOSTIBAS Zeller.

ZELLER, Stett. ent. Zeit., 150, 1863; DYAR, C. 39.

5483. *calligera* ZELLER, Hor. Soc. Ent. Ross., xiii, 231, 1877; DYAR, C. 40. Fla.

syn. *parvula* HY. EDWARDS.

EUCERATIA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 310, 1881.

5484. *securella* WALSINGHAM, Proc. Zool. Soc. Lond., 311, 1881. Cal.

5485. *castella* WALSINGHAM, Proc. Zool. Soc. Lond., 310 1881. Cal.

ARÆOLEPIA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 303, 1881.

5486. *subfasciella* WALSINGHAM, Proc. Zool. Soc. Lond., 303, 1881. Cal.

PERICLYMENOBIUS Wallengren.

WALLENGREN, Ent. Tidsk., i, 63, 1880.

5487. *frustellus* WALSINGHAM, Proc. Zool. Soc. Lond., 309, 1881. Cal.

5488. *canariellus* WALSINGHAM, Proc. Zool. Soc. Lond., 309, 1881. Cal.

5489. *dentiferellus* WALSINGHAM, Proc. Zool. Soc. Lond., 308, 1881. Cal.

TRACHOMA Wallengren.

WALLENGREN, Ent. Tidsk., i, 61, 1880.

5490. **instabilella** MANN, Verh. zool.-bot. Ges. Wien, v, 351, 1866, pl. 1, f. 5; WALSINGHAM, Proc. Zool. Soc. Lond., 301, 1881. Cal.
5491. **falciferella** WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881. Cal.
- *5492. **senex** WALSINGHAM, Ins. Life, i, 288, 1889. Col.

CALANTICA Zeller.

ZELLER, Isis, 801, 1847.

5493. **polita** WALSINGHAM, Proc. Zool. Soc. Lond., 302, 1881. Cal.

PTEROLONCHE Zeller.

ZELLER, Isis, 845, 1847; HERRICH-SCHAEFFER, Syst. Bearb. Schmett. Eur., v, 40, 1855.

- *5494. **lineata** WALSINGHAM, Ins. Life, i, 288, 1889. Ariz.

CEROSTOMA Latreille.

LATREILLE, Nat. Hist. Ins., iii, 416, 1802; MEYRICK, Handb. Brit. Lep., 697, 1895; DYAR, C. 41; *Pluteloptra* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1879.

5495. **sublucella** WALSINGHAM, Proc. Zool. Soc. Lond., 308, 1881. Cal.
5496. **cervella** WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881. Cal.
5497. **subsylvella** WALSINGHAM, Ins. Life, i, 287, 1889. Pac. States.
5498. **aleutianella** BEUTENMÜLLER, Can. Ent., xxi, 27, 1889. Alaska.
5499. **koebelella** DYAR, Cat. Ent., xxxii, 40, 1900. Cal.
5500. **radiatella** DONOVAN, Nat. Hist. Brit. Ins., iii, 77, 1816; WOCKE, Cat. Lep. Eur. ii, no. 1639, 1871; WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881; Ins. Life, i, 287, 1889. Oreg., Eur.
- syn. *ochrella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1880; *variella* HÜBNER, *fissella* HÜBNER, *lutarella* HÜBNER, *byssinella* HÜBNER, *parallella* PANZER, *radiatus* HAWORTH, *fissus* HAWORTH, *quinquepunctatus* HAWORTH, *lutosus* HAWORTH, *flaviciliatus* HAWORTH, *unitella* TREITSCHKE, *fulvella* DUPONCHEL, *rufimetrellus* STEPHENS.
5501. **rubrella** DYAR, Proc. U. S. Nat. Mus., xxv, 404, 1902. Col.

EIDO Chambers.

CHAMBERS, Can. Ent., v, 72, 1873; Jn. Cin. Soc. Nat. Hist., ii, 202, f. 18, 1879; *Venilia*
CHAMBERS (not DUPONCHEL), Can. Ent., iv, 207, 1872.

- *5502. **albapalpella** CHAMBERS, Can. Ent., iv, 208, 1872; Atl.
v, 72, 1873. States.
syn. *albopalpella* RILEY, Sm. List Lep. Bor.
Am., no. 5543, 1891.

PLUTELLA Schrank.

SCHRANK, Fauna Boica, ii, 2, 169, 1802.

5503. **maculipennis** CURTIS, Brit. Ent., pl. 420, 1832; U. S.,
WALSINGHAM & DURRANT, Ent. Mo. Mag., xxxiii, Eur.
173, 1897.

syn. *cruciferarum* ZELLER, Stett. ent. Zeit.,
281, 1843; CHAMBERS, Bull. Geol. Surv.
Terr., iv, 161, 1878; WALSINGHAM, Proc.
Zool. Soc. Lond., 304, 1881; FLETCHER,
Rept. Ex. Far. Can., 165, 1890; ORMEROD,
Jn. Roy. Agr. Soc. Engl., 1891; *limbidi-*
penella CLEMENS, *mollipedella* CLEMENS,
brusiella FITCH, *xylostella* PACKARD, *zylo-*
stella CHAMBERS, *dubiosella* BEUTENMÜLLER,
Can. Ent., xxi, 27, 1889; DYAR, C. 40.

5504. **porrectella** LINNÆUS, Syst. Nat., 546, 1758; Cal.,
WOCKE, Cat. Lep. Eur., ii, no. 1624, 1871; Eur.
CHAMBERS, Bull. Geol. Surv. Terr., iv, 161,
1878; WALSINGHAM, Proc. Zool. Soc. Lond., 305,
1881.

syn. *hesperidella* HÜBNER, *vittatus* FABRICIUS,
hesperidis HAWORTH, *vigilacella* CLEMENS.

5505. **omissa** WALSINGHAM, Ins. Life, i, 258, 1889. Cal.

5506. **vanella** WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
305, 1881.

- *5507. **albidorsella** WALSINGHAM, Proc. Zool. Soc. Cal.
Lond., 305, 1881.

5508. **interrupta** WALSINGHAM, Proc. Zool. Soc. Lond., Oreg.
304, 1881.

- *5509. **multimaculella** CHAMBERS, Bull. Geol. Surv. Tex.
Terr., iv, 89, 1878; HAGEN, Pap., iv, 99, 1884;
BUSCK, Jn. N. Y. Ent. Soc., x, 97, 1902.

GLYPHIPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 421, 1816; DYAR, C. 84.

5510. **bifasciata** WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
321, 1881.

- *5511. **unifasciata** WALSINGHAM, Proc. Zool. Soc. Lond., 322, 1881. Cal.
5512. **quinqueferella** WALSINGHAM, Proc. Zool. Soc. Lond., 322, 1881. Cal.
5513. **impigritella** CLEMENS, Proc. Ent. Soc. Phil., ii, 9, 1862; Tin. No. Am., 214, 1872. Tex.
syn. *eroptatella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 234, 1875; CHAMBERS, Can. Ent., xiii, 193, 1881.
5514. **circumscriptella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 291, 1880. Atl. States.
5515. **californiæ** WALSINGHAM, Proc. Zool. Soc. Lond., 320, 1881; CHAMBERS, Can. Ent., xiii, 193, 1881. Cal.
5516. **regalis** WALSINGHAM, Proc. Zool. Soc. Lond., 319, 1881. Cal.
5517. **quadragintapunctata** DYAR, Can. Ent., xxxii, 84, 1900. Miss. Valley.
- *5518. **montisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 292, 1875; Bull. Geol. Surv. Terr., iv, 148, 1878. Col.
syn. *montinella* CHAMBERS, Can. Ent., ix, 14, 1877.

CHOREUTIS Hübner.

HÜBNER, Verz. bek. Schmett., 373, 1816; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 320, 1875; FERNALD, Can. Ent., xxxii, 240, 1900; KEARFOTT, Jn. N. Y. Ent. Soc., x, 106, 1902.

5519. **inflatella** CLEMENS, Proc. Ent. Soc. Phil., ii, 5, 1863; DYAR, C. 85; FERNALD, Can. Ent., xxxii, 242, 1900. Atl. States.
a. virginiella CLEMENS, Proc. Ent. Soc. Phil., iii, 505, 1864; FERNALD, Can. Ent., xxxii, 243, 1900. Atl. States.
5520. **dyarella** KEARFOTT, Jn. N. Y. Ent. Soc., x, 112, 1902. Cal.
5521. **onustana** WALKER, Cat. Brit. Mus., xxx, 996, 1864. No. Atl. States.
syn. *ohioensis* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 220, 1875.
5522. **gnaphaliella** KEARFOTT, Journ. N. Y. Ent. Soc., x, 113, 1902. U. S.
5523. **carduiella** KEARFOTT, Journ. N. Y. Ent. Soc., x, 116, 1902. N. J., Fla.
a. busckiella KEARFOTT, Journ. N. Y. Ent. Soc., x, 120, 1902.

5524. **silphiella** GROTE, Pap., i, 40, 1881. Cal., Col.
 syn. *gemmalis* HULST, Trans. Am. Ent. Soc.,
 xiii, 148, 1886.
5525. **sororecullella** DYAR, Can. Ent., xxxii, 86, 1900. Col.
5526. **occidentella** DYAR, Can. Ent., xxxii, 86, 1900. Cal.
5527. **coloradella** KEARFOTT, Journ. N. Y. Ent. Soc., Col.,
 x, 123, 1902. Alaska.
5528. **extrincicella** DYAR, Can. Ent., xxxii, 86, 1900. Wis.
5529. **leucobasis** FERNALD, Can. Ent., xxxii, 242, 1900. No. Atl.
 States.

HEMEROPHILA Hübner.

HÜBNER, Tent., 1806; FERNALD, Can. Ent., xxxii, 239, 1900.

- *5530. **vicarilis** ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
 xxv, 322, 1875.
5531. **dyari** BUSCK, Journ. N. Y. Ent. Soc., vii, 242. Fla.
 1900.

BRENTHIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; FERNALD, Can. Ent., xxxii, 32, 1900

5532. **pavonacella** CLEMENS, Proc. Acad. Nat. Sci. Atl.
 Phil., 172, 1860; Tin. No. Am., 134, 1872; ZEL- States.
 LER, Verh. zool.-bot. Ges. Wien, xxv, 323, 1875;
 CHAMBERS, Can. Ent., x, 76, 1878; WALSING-
 HAM, Proc. Zool. Soc. Lond., 529, 1891; 120,
 1897; FERNALD, Can. Ent., xxxii, 243, 1900.
 syn. *amphicarpeæana* CHAMBERS.

WALSINGHAMIA Riley.

RILEY, Proc. Ent. Soc. Wash., i, 157, 1889; FERNALD, Can. Ent., xxxii, 244, 1900.

5533. **diva** RILEY, Proc. Ent. Soc. Wash., i, 158, 1889. Fla.
- *5534. **slossonia** FERNALD, Can. Ent., xxxii, 244, 1900. Fla.

SETIOSTOMA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 324, 1875; FERNALD, Can. Ent., xxxii, 244,
 1900.

5535. **xanthobasis** ZELLER, Verh. zool.-bot. Ges. Wien, Atl.
 xxv, 324, 1875. States.
5536. **fernaldella** RILEY, Proc. Ent. Soc. Wash., i, 155, Cal.
 1889.

ORCHEMIA Guenée.

GUENÉE, Ind. Méth., 58, 1845; FERNALD, Can. Ent., xxxii, 238, 1900.

5537. **diana** HÜBNER, Eur. Schmett., Tort., pl. 44, f. 247, 1823; FERNALD, Can. Ent., xxxii, 238, 1900. U. S.
 syn. *decorana* ZETTERSTEDT, *luridana* WALKER.
α. betuliperda DYAR, Proc. U. S. Nat. Mus., xxv, 403, 1902.

THELETHIA Dyar.

DYAR, Can. Ent., xxv, 301, 1893; C. 86.

- *5538. **extranea** HY. EDWARDS, Ent. Amer., iii, 181, Ariz.
 1888; DYAR, C. 86.

Family GELECHIIDÆ.

By AUGUST BUSCK.

METZNERIA Zeller.

ZELLER, Isis, 197, 1839.

5539. **lappella** LINNÆUS, Syst. Nat., 537, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2491, 1901. Atl. States,
 Eur.

PALTODORA Meyrick.

MEYRICK, Handb. Brit. Lep., 571, 1895.

5540. **striatella** HÜBNER, Eur. Schmett., 288, 1820; Cal.,
 WALSINGHAM, Ins. Life, i, 82, 1888; STAUDINGER Eur.
 & REBEL, Cat. Lep. Eur., ii, no. 2935, 1901.
5541. **pallidistrigella** CHAMBERS, Can. Ent., vi, 244, 1874; Tex.
 Bull. Geol. Surv. Terr., iv, 92, 1878; WALSINGHAM, Ins. Life, i, 81, 1888.
5542. **magnella** BUSCK, Proc. U. S. Nat. Mus., xxv, Col.
 776, 1903.
5543. **cilialineella** CHAMBERS, Can. Ent., vi, 242, 1874; Tex.
 Bull. Geol. Surv. Terr., iv, 91, 1878.
5544. **dietziella** BUSCK, Proc. U. S. Nat. Mus., xxv, Col.
 777, 1903.
5545. **canicostella** WALSINGHAM, Ins. Life, i, 82, 1888. Cal.
5546. **anteliella** BUSCK, Proc. U. S. Nat. Mus., xxv, 778, N. J.
 1903.
5547. **sabulella** WALSINGHAM, Ins. Life, i, 83, 1888. Cal.
5548. **similiella** CHAMBERS, Can. Ent., iv, 193, 1872; Atl.
 vi, 242, 1873. States.
 syn. *piscipellis* ZELLER, Verh. zool.-bot. Ges.
 Wien, xxiii, 277, 1873.

5549. **tophella** WALSINGHAM, Ins. Life, i, 83, 1888. Cal.
5550. **pallidella** CHAMBERS, Can. Ent., vi, 245, 1874; Bull. Geol. Surv. Terr., iv, 92, 1878; WALSINGHAM, Ins. Life, i, 81, 1888. Col.
5551. **modesta** WALSINGHAM, Ins. Life, i, 82, 1888. Cal.

SITOTROGA Heinemann.

HEINEMANN, Schmett. Deut. u. Schweiz, 287, 1870.

5552. **cerealella** OLIVIER, Encl. Méth., Ent., i, 121, 1819; GLOVER, Rept. Dept. Agr., 67, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 168, 1860; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2902, 1901. U. S., Eur.

AUTONEDA Busck.

Neda CHAMBERS (not MULSANT), Can. Ent., vi, 243, 1874.

5553. **plutella** CHAMBERS, Can. Ent., vi, 244, 1874; vii, 105, 1875; Bull. U. S. Geol. Surv. Terr., iii, 157, 1878. Ky.

TELPHUSA Chambers.

CHAMBERS, Can. Ent., iv, 182, 1872; *Xenolechia* MEYRICK, Handb. Brit. Lep., 583, 1895.

- *5554. **longifasciella** CLEMENS, Proc. Ent. Soc. Phil., ii, 12, 121, 1863; CHAMBERS, Can. Ent., iv, 174, 1872. Atl. States.
syn. *curvistrigella* CHAMBERS, Can. Ent., iv, 133, 1872; *obliquifasciella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 182, 1879.
5555. **quinquecristatella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 88, 146, 1878. Ky.?
5556. **latifasciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 251, 1875. Ky., Mo.
5557. **quercinigracella** CHAMBERS, Can. Ent., iv, 170, 1872. Atl. States.
syn. *fragmentella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 71, 1873; *quercinigrælla* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 146, 1878.
5558. **palliderosacella** CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 90, 1878. Atl. States.
5559. **querciella** CHAMBERS, Can. Ent., iv, 127, 147, 207, 1872; BUSCK, Proc. U. S. Nat. Mus., xxv, 787, 1903. Atl. States.
- *5560. **basistrigella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 270, 1873. Tex.
5561. **basifasciella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 269, 1873. Tex., N. J.

5562. **betulella** BUSCK, Proc. U. S. Nat. Mus., xxv, 787, 1903. Va., D. C.
5563. **belangerella** CHAMBERS, Can. Ent., vii, 210, 1875. Atl. States.
syn. *oromella* WALSINGHAM, Trans. Am. Ent. Soc., x, 179, 1882; PACKARD, Fifth Rept. U. S. Ent. Comm., 630, 1890; *orella* DIETZ, Smith's List Ins. N. J., 474, 1900.
5564. **glandiferella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 275, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 72, 1897. Tex.
syn. *sella* CHAMBERS, Can. Ent., vi, 238, 1874; *glandifera* CHAMBERS, Can. Ent., ix, 14, 1877.
- *5565. **alexandriæella** CHAMBERS, Can. Ent., iv, 149, 1872. Ky.
- *5566. **fasciella** CHAMBERS, Can. Ent., vi, 149, 1872. Ky.

AGNIPPE Chambers.

CHAMBERS, Can. Ent., iv, 194, 1872.

5567. **bicolorella** CHAMBERS, Can. Ent., iv, 195, 1872; vii, 106, 1875; ix, 231, 1877. Ky.
5568. **fuscopulvella** CHAMBERS, Can. Ent., iv, 195, 1872. Ky.
syn. *bicolorella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 128, 1878.

NEALYDA Dietz.

DIETZ, Ent. News, xi, 350, 1900.

5569. **pisoniæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, 229, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 470, 1901. Fla.
5570. **bifidella** DIETZ, Ent. News, xi, 351, 1900; DYAR, Proc. U. S. Nat. Mus., xxv, 406, 1902. Col.
5571. **kinzelella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 230, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 471, 1901. Fla.

CHRYSOPORA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 362, 1860; *Nomia* CLEMENS, Proc. Acad. Nat. Sci. Phil., 167, 1860; *Nannodia* HEINEMANN, Schmett. Deut. u. Schw., 284, 1870.

5572. **lingulacella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 167, 1860; Tin. No. Am., 124, 1872. Atl. States.
syn. *hermanella* CHAMBERS, Can. Ent., iv, 67, 169, 1872; x, 52, 1878; *armeniella* FREY & BOLL, Stett. ent. Zeit., xxxix, 249, 1878.

5573. **hermanella** FABRICIUS, Spec. Ins., ii, 509, 1781; **Can.**,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. **Eur.**
2896, 1901.

LEUCE Chambers.

CHAMBERS, Can. Ent., vii, 9, 51, 1875; *Nara* CHAMBERS (not SOWERBY), Can. Ent.,
vii, 9, 1875.

5574. **fuscocristatella** CHAMBERS, Can. Ent., vii, 9, 34, **Tex.**
51, 1875.
syn. *helfragesella* CHAMBERS, Jn. Cin. Soc. Nat.
Hist., ii, 183, 1879.

ARISTOTELIA Hübner.

HÜBNER, Verz. bek. Schmett., 424, 1816; *Euculoptus* WALSINGHAM, Proc. Zool. Soc.
Lond., 69, 1897.

5575. **roseosuffusella** CLEMENS, Proc. Acad. Nat. Sci. **Atl.**
Phil., xii, 162, 434, 1860; Proc. Ent. Soc. Phil., **States.**
ii, 121, 1863; iii, 508, 1864; CHAMBERS, Can.
Ent., iv, 69, 148, 169, 193, 1872; Bull. U. S.
Geol. Surv. Terr., iii, 125, 141, 1877; Can. Ent.,
ix, 14, 1877; Bull. Geol. Surv. Terr., iv, 110,
1878; Jn. Cin. Soc. Nat. Hist., ii, 183, 1880;
MURTFELDT, Can. Ent., vi, 222, 1874; U. S.
Dept. Agr., Div. Ent., Bull. 23, 53, 1891; ZELLER,
Verh. zool.-bot. Ges. Wien, xxiii, 272, 1873;
WALSINGHAM, Trans. Am. Ent. Soc., x, 180,
1882; Proc. Zool. Soc. Lond., 66, 1897; DIETZ,
Smith's List Ins. N. J., 474, 1900; BUSCK, Proc.
U. S. Nat. Mus., xxiii, 226, 1900.
syn. *rosasuffusella* CHAMBERS, Cin. Quart. Jn.
Sci., ii, 290, 1875; *bellula* WALKER, Cat. Brit.
Mus., xxix, 595, 1864.

5576. **pudibundella** ZELLER, Verh. zool.-bot. Ges. Wien, **Atl.**
xxiii, 273, 1873; WALSINGHAM, Trans. Am. Ent. **States.**
Soc., x, 181, 1882; Proc. Zool. Soc. Lond., 66,
1897; BUSCK, Proc. U. S. Nat. Mus., xxiii, 226,
1900.
syn. *intermediella* CHAMBERS, Bull. Geol. Surv.
Terr., iv, 89, 1878; WALSINGHAM, Trans.
Ent. Soc. Lond., x, 180, 1882; MURTFELDT,
U. S. Dept. Agr., Div. Ent., Bull. 23, 53,
1891; DIETZ, Smith's List Ins. N. J., 475,
1900.

5577. **molestella** ZELLER, Verh. zool.-bot. Ges. Wien, **Tex.**
xxiii, 274, 1873.

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5708. **paltodoriella** BUSCK, Proc. U. S. Nat. Mus., xxv, 848, 1903. N. Mex.
5709. **fullonella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 276, 1873. Tex.
 syn. *rufusella* CHAMBERS, Can. Ent., vi, 240, 1874; *refusella* WALSINGHAM, Trans. Am. Ent. Soc., x, 184, 1882; *rubescens* WALSINGHAM, Proc. Zool. Soc. Lond., 319, 1881; *subruberella* CHAMBERS, Can. Ent., vi, 240, 1874; Cin. Quart. Jn. Sci., ii, 254, 1875.
5710. **lupinella** BUSCK, Can. Ent., xxxiii, 14, 1901. Can.
5711. **agrimoniella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 162, 434, 1860; Proc. Ent. Soc. Phil., ii, 120, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 275, 1873; DIETZ, Smith's List Ins. N. J., 474, 1900; BUSCK, Can. Ent., xxxiii, 15, 1901. Atl. States.
 syn. *aduncella* ZELLER, Verh. zool.-bot. Ges. Wien, xviii, 614, 1868; *aderusella* RILEY, Smith's List Lep. Bor. Am., no. 5299, 1891.
5712. **tristrigella** WALSINGHAM, Trans. Am. Ent. Soc., x, 181, 1882; COQUILLET, Pap., iii, 91, 1883; COMSTOCK, Fifth Rept. U. S. Ent. Comm., 639, 1890; BUSCK, Can. Ent., xxxiii, 15, 1901. Ill., Kans.

5713. *levipedella* CLEMENS, Proc. Ent. Soc. Phil., ii, 4, 1863; FREY & BOLL, Stett. ent. Zeit., xxxix, 251, 1878; BUSCK, Can. Ent., xxiii, 15, 1901. Atl. States.

GELECHIA Hubner.

HÜBNER, Verz. bek. Schmett., 415, 1816, *Catantega*^a CLEMENS Proc. Ent. Soc. Phil., i, 87, 1861; *Circha* CHAMBERS, Can. Ent., iv, 146, 1872; *Oreon* CHAMBERS, Cin. Quart. Jn. Sci., ii, 255, 1875; *Pseudochelaria* DIETZ, Ent. News, xi, 252, 1900.

5714. *cercerisella* CHAMBERS, Can. Ent., iii, 108, 129, 147, 1872; WALSHINGHAM, Trans. Am. Ent. Soc., x, 177, 1882. So. Atl. States.

syn. *olympiadella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 259, 1873; CHAMBERS, Can. Ent., ix, 24, 1877.

5715. *quinella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 260, 1873; CHAMBERS, Can. Ent., ix, 23, 1877. Tex.

5716. *arizonella* BUSCK, Proc. U. S. Nat. Mus., xxv, 856, 1903. Ariz.

5717. *coloradensis* BUSCK, Proc. U. S. Nat. Mus., xxv, 857, 1903. Col.

5718. *trialbamaculella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 250, 1875. Tex., Atl. States.

syn. *epiquella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 289, 1881.

5719. *confusella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 251, 1875. Mich.

syn. *persicella* MURTFELDT, Rept. Mich. State Agr. Col., 1899; Can. Ent., xxvii, 164, 1900.

5720. *bimaculella* CHAMBERS, Can. Ent., iv, 108, 129, 147, 1872. Tex., Ky., D. C.

syn. *ternatella* ZELLER, Verh. zool. bot. Ges. Wien, xxiii, 264, 1873; *sylvestrellella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878.

5721. *continuella* ZELLER, Isis, 198, 1839; STAEDINGER & REBEL, Cat. Lep. Eur., ii, no. 2597, 1901; MOSCHLER, Wien. ent. Mon., 200, 1864; GROTE, Can. Ent., iv, 126, 1872. Lab., Can., Eur.

syn. *trimaculella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1867; *albomaculella* CHAMBERS, Can. Ent., vii, 209, 1875.

5722. *ribesella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877; DYAR, Proc. U. S. Nat. Mus., xvi, 407, 1902. Col.

^a This genus, with the species 5777, 5807, and 5830, are referable to the Tortricidae. HARRISON G. DYAR.

5723. **trophella** BUSCK, Proc. U. S. Nat. Mus., xxv, 860, 1903. Col.
5724. **lugubrella** FABRICIUS, Ent. Syst., iii, 2, 299, 54, 1794; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2617, 1901. Me., Eur.
5725. **albilorella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 261, 1873. Tex., Ariz.
syn. *trifasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 252, 1875; Can. Ent., ix, 24, 1877.
5726. **dentella** BUSCK, Proc. U. S. Nat. Mus., xxv, 862, 1903. Ariz.
5727. **sistrella** BUSCK, Proc. U. S. Nat. Mus., xxv, 862, 1903. Ariz.
5728. **abdominella** BUSCK, Proc. U. S. Nat. Mus., xxv, 863, 1903. Ariz.
5729. **basquella** CHAMBERS, Can. Ent., vii, 92, 124, 1875. Tex., Atl. States, W. I.
syn. *bosquella* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 87, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 178, 1882; Proc. Zool. Soc. Lond., 75, 1897; *costipunctella* MÖSCHLER, Abh. Senck. Ges., xvi, 344, 1889; WALSINGHAM, Proc. Zool. Soc. Lond., 519, 1892.
5730. **pauella** BUSCK, Proc. U. S. Nat. Mus., xxv, 865, 1903. Cal., Ariz.
5731. **unifasciella** BUSCK, Proc. U. S. Nat. Mus., xxv, 865, 1903. Ariz.
- *5732. **packardella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 143, 1877. Col.
5733. **aristella** BUSCK, Proc. U. S. Nat. Mus., xxv, 866, 1903. Ariz.
5734. **thoracealbella** CHAMBERS, Can. Ent., vi, 255, 1874; Cin. Quart. Jn. Sci., ii, 252, 1875. Tex.
- *5735. **minimaculella** CHAMBERS, Can. Ent., vi, 235, 1874. Tex.
syn. *minimmaculella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.
5736. **ochreosuffusella** CHAMBERS, Can. Ent., vi, 236, 1874; Cin. Quart. Jn. Sci., ii, 255, 1875. Tex., Col.
syn. *depressostrigella* CHAMBERS, Can. Ent., vi, 236, 1874; Bull. Geol. Surv. Terr., iii, 142, 1878; *depussostrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 255, 1875.
5737. **striatella** BUSCK, Proc. U. S. Nat. Mus., xxv, 868, 1903. Ariz.

5738. *ochreostrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 247, 1875; Can. Ent., x, 54, 1878. Cal.
5739. *hibiscella* BUSCK, Proc. U. S. Nat. Mus., xxv, 869, 1903. D. C.
5740. *cockerelli* BUSCK, Proc. U. S. Nat. Mus., xxv, 871, 1903. N. Mex., Ariz.
5741. *variabilis* BUSCK, Proc. U. S. Nat. Mus., xxv, 871, 1903. Col., Cal.
5742. *trilineella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 125, 1877. Col.
5743. *bianulella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 225, 1875. Col.
syn. ocellella CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877; *ocelella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.
5744. *discoocellella* CHAMBERS, Can. Ent., iv, 194, 1872. Ky., Tex., Ill., Kans., Atl. States.
syn. discocelella CHAMBERS, Can. Ent., vi, 231, 1874; *discoocella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 237, 1875; *discooecella* COQUILLET, Pap., iii, 98, 1883; *discocella* DIETZ, Smith's List Ins. N. J., 474, 1900; *violaceofusca* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 258, 1873.
5745. *anarsiella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. Col.
5746. *pravinominella* CHAMBERS, Can. Ent., x, 50, 1878; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. Col.
syn. quadrimacalella CHAMBERS (not CHAMBERS), Cin. Quart. Jn. Sci., ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877.
5747. *barnesiella* BUSCK, Proc. U. S. Nat. Mus., xxv, 875, 1903. Col.
5748. *lindenella* BUSCK, Proc. U. S. Nat. Mus., xxv, 876, 1903. Col.
5749. *dyariella* BUSCK, Proc. U. S. Nat. Mus., xxv, 877, 1903. Col.
5750. *albisparsella* CHAMBERS, Can. Ent., iv, 92, 128, 1872. Ky.
syn. platanella CHAMBERS, Can. Ent., iv, 146, 1872.
5751. *unctulella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 257, 1873. Tex., Col., Ariz.

5752. *obscurocolella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 254, 1875. Tex., Ky.
 syn. *obscuracella* RILEY, Smith's List Lep. Bor. Am., no. 5424, 1891.
5753. *versutella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 253, 1873. Tex., Col. Wyo.
- *5754. *lynceella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 255, 1873. Tex.
5755. *bicostomaculella* CHAMBERS, Can. Ent., iv, 127, 147, 1872; DIETZ, Smith's List Ins. N. J., 474, 1900. Ky., Atl. State
 syn. *quercifoliella* CHAMBERS, Can. Ent., iv, 206, 1872; v, 174, 1873; *gibbosella* CHAMBERS (not STANTON), Can. Ent., v, 72, 1873.
5756. *nigrimaculella* BUSCK, Proc. U. S. Nat. Mus., xxv, 880, 1903. N. Y.
5757. *maculimarginella* CHAMBERS, Can. Ent., vi, 241, 1874. Tex., Atl. States.
 syn. *maculomarginella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 144, 1878.
5758. *biminimaculella* CHAMBERS, Cin. Jn. Nat. Hist., ii, 183, 1880. Tex., Mo.
5759. *pseudoacaciella* CHAMBERS, Can. Ent., iv, 9, 107, 129, 147, 1872; Cin. Quart. Jn. Sci., i, 208, 1874; Psyche, iii, 65, 1880. Atl. State Tex., Ky.
 syn. *cacella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 252, 1873.
5760. *serotinella* BUSCK, Proc. U. S. Nat. Mus., xxv, 882, 1903. Atl. State Col.
5761. *vernella* MURTFELDT, Can. Ent., xv, 139, 1883. Mo., Atl. States.
 syn. *formosella* MURTFELDT (not HEBNER), Can. Ent., xiii, 243, 1881.
5762. *sequax* HAWORTH, Lep. Brit., 552, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2741, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 265, 1873. Mass., Eur.
- *5763. *occidentella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 246, 1875. Cal.
5764. *mediofuscella* CLEMENS, Proc. Ent. Soc. Phil., ii, 11, 121, 1863. Tex., Ky., Atl. State
 syn. *vagella* WALKER, Cat. Brit. Mus., xxix, 596, 1864; WALSINGHAM, Trans. Am. Ent. Soc., x, 178, 1882; *fuscocochrella* CHAMBERS, Can. Ent., iv, 106, 1872; *titurosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 265, 1873.

5765. **walsinghami** DIETZ, Ent. News, xi, 352, 1900; Pa.
WALSINGHAM & DURRANT, Ent. Mo. Mag.,
xxxviii, 28, 1902.
- *5766. **pennsylvanica** DIETZ, Ent. News, xi, 353, 1900; Pa.
WALSINGHAM & DURRANT, Ent. Mo. Mag.,
xxxviii, 29, 1902.
- *5767. **tephriasella** CHAMBERS, Can. Ent., iv, 68, 1872; Ky.
Cin. Quart. Jn. Sci., ii, 253, 1875; WALSINGHAM,
Trans. Am. Ent. Soc., x, 181, 1882.
5768. **conclusella** WALKER, Cat. Brit. Mus., xxix, 593, Atl.
1864; WALSINGHAM, Trans. Am. Ent. Soc., x, States.
179, 1882.
syn. *grissefasciella* CHAMBERS, Cin. Quart. Jn.
Sci., ii, 253, 1875.
5769. **rileyella** CHAMBERS, Can. Ent., iv, 106, 147, 1872; Ky.
BUSCK, Proc. U. S. Nat. Mus., xxv, 887, 1903.
5770. **nundinella** ZELLER, Verh. zool.-bot. Ges. Wien, Tex., Mo.,
xxiii, 256, 1873. Atl. States.
syn. *beneficentella* MURTFELDT, Can. Ent., xiii,
245, 1881.
5771. **monumentella** CHAMBERS, Bull. Geol. Surv. Terr., Col.
iii, 125, 1877.
5772. **obscurosuffusella** CHAMBERS, Bull. Geol. Surv. Tex.
Terr., iv, 90, 1878.
5773. **petasitis** PFAFFENZELLER, Stett. ent. Zeit., xxviii, Atl.
79, 1867; STAUDINGER & REBEL, Cat. Lep. Eur., States, Eur.
ii, no. 2588, 1901; WALSINGHAM, Trans. Am. Ent.
Soc., x, 178, 1882.
5774. **panella** BUSCK, Proc. U. S. Nat. Mus., xxv, 889, Ariz.
1903.
5775. **abella** BUSCK, Proc. U. S. Nat. Mus., xxv, 889, Col.
1903.
5776. **fuscotæniaella** CHAMBERS, Bull. Geol. Surv. Terr., Tex.,
iv, 89, 1878. Col.
syn. *fuscotanniella* RILEY, Smith's List Lep.
Bor. Am., no. 5473, 1891; *fuscolinianella*
RILEY, Smith's List Lep. Bor. Am., no. 5370,
1891.
- *5777. **aceriella** CLEMENS, Proc. Ent. Soc. Phil., i, 87, Pa.
1861.
- *5778. **adaptella** WALKER, Cat. Brit. Mus., xxix, 590 Can.
1864.
- *5779. **albistrigella** CHAMBERS, Can. Ent., iv, 171, 1872; Ky.
HAGEN, Pap., iv, 98, 1884.
- *5780. **ambrosiæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
239, 1875.

- *5802. *gilvomaculella* CLEMENS, Proc. Ent. Soc. Phil., Pa.?
ii, 12, 121, 1863.
- *5803. *glycyrrhizæella* CHAMBERS, Bull. Geol. Surv. Col.
Terr., iii, 124, 1877.
- *5804. *grisella* CHAMBERS, Can. Ent., iv, 171, 1872. Ky.
- *5805. *griseaella* CHAMBERS, Can. Ent., iv, 88, 1872. Can.
syn. *griseella* CHAMBERS, Bull. Geol. Surv.
Terr., iv, 144, 1878.
- *5806. *griseochrella* CHAMBERS, Cin. Quart. Jn. Sci., Cal.
ii, 247, 1875.
- *5807. *hamameliella* CLEMENS, Proc. Ent. Soc. Phil., i, (Unknown.)
87, 1861.
- *5808. *labradorica* MÖSCHLER, Can. Ent., iv, 125, 1872. Lab.
- *5809. *labradoriella* CLEMENS, Proc. Ent. Soc. Phil., ii, Lab.
12, 120, 1863.
- *5810. *lactensochrella* CHAMBERS, Cin. Quart. Jn. Sci., Cal.
ii, 244, 1875.
- *5811. *liturella* WALKER, Cat. Brit. Mus., xxix, 591, Nova
1864. Scotia.
- *5812. *maculatusella* CHAMBERS, Cin. Quart. Jn. Sci., Cal.
ii, 245, 1875.
- *5813. *milleriella* CHAMBERS, Cin. Quart. Jn. Sci., ii, (Unknown.)
253, 1875.
- *5814. *mimella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.?
163, 1860; Proc. Ent. Soc. Phil., ii, 121, 1863.
- *5815. *obscuraella* CHAMBERS, Can. Ent., iv, 170, 1872. Ky.
- *5816. *obscurusella* CHAMBERS, Can. Ent., iv, 106, 128, Ky.
148, 1872.
syn. *fuscopulvella* CHAMBERS, Can. Ent., iv,
170, 1872.
- *5817. *ocherfuscella* CHAMBERS, Cin. Quart. Jn. Sci., Cal.
ii, 249, 1875.
syn. *ochreofuscella* CHAMBERS, Bull. Geol.
Surv. Terr., iv, 145, 1878.
- *5818. *ornatifimbriella* CLEMENS, Proc. Ent. Soc. Phil., Ill.
ii, 420, 1864.
- *5819. *pallidegrisseella* CHAMBERS, Can. Ent., vi, 237, Tex.
1875.
- *5820. *palpialbella* CHAMBERS, Cin. Quart. Jn. Sci., ii, (Unknown.)
253, 1875.
syn. *palpiaella* RILEY, Smith's List Lep. Bor.
Am., no. 5441, 1891.

- *5821. *parvipulvella* CHAMBERS, Can. Ent., vi, 242, 1874. Tex,
 *5822. *pullifimbriella* CLEMENS, Proc. Ent. Soc. Phil., Pa.?
 ii, 120, 1863.
 *5823. *pullusella* CHAMBERS, Can. Ent., vi, 237, 1874. Tex.
 *5824. *punctiferella* CLEMENS, Proc. Ent. Soc. Phil., ii, Pa.?
 119, 1863.
 *5825. *simpliciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
 238, 1875.
 *5826. *subalbusella* CHAMBERS, Can. Ent., vi, 242, 1874. Tex.
 *5827. *suffusella* CHAMBERS, Can. Ent., iv, 171, 1872. Ky.
 *5828. *thoraceochrella* CHAMBERS, Can. Ent., iv, 169, Ky.
 1872.
 *5829. *thoracetrigella* CHAMBERS, Cin. Quart. Jn. Sci., Cal.
 ii, 245, 1875.
 *5830. *timidella* CLEMENS, Proc. Ent. Soc. Phil., i, 87, Minn.
 1861.
 *5831. *unistrigella* CHAMBERS, Can. Ent., v, 176, 1873. Ky.
 *5832. *versicolorella* CHAMBERS, Can. Ent., iv, 127, 147, Ky.
 1872.
 *5833. *wacoella* CHAMBERS, Can. Ent., vi, 237, 1874. Tex.

Family XYLORICTIDÆ.

STENOMA Zeller.

ZELLER, Isis, 195, 1839.

5834. *schlægeri* ZELLER, Linn. Ent., ix, 372, 1854; x, Atl.
 158, 1855; Verh. zool.-bot. Ges. Wien, xxiii, States.
 246, 1873; WALSINGHAM, Ins. Life, ii, 152, 1889.
 5835. *leucillana* ZELLER, Linn. Ent., ix, 370, 1854; Ga.
 WALSINGHAM, Ins. Life, ii, 153, 1889.
 5836. *humilis* ZELLER, Linn. Ent., x, 156, 1855; N. C.,
 WALSINGHAM, Ins. Life, ii, 154, 1889. Tex.
 syn. nubeculosa ZELLER, Verh. zool.-bot. Ges.
 Wien, xxiii, 245, 1873; WALSINGHAM, Trans.
 Am. Ent. Soc., x, 175, 1882; *canusella*
 CHAMBERS, Can. Ent., vi, 235, 1874.
 5837. *crambitella* WALSINGHAM, Ins. Life, ii, 154, 1889. Ariz.
 5838. *furcata* WALSINGHAM, Ins. Life, ii, 153, 1889. Ariz.
 *5839. *algidella* WALKER, Cat. Brit. Mus., xxix, 710, Nova
 1864; WALSINGHAM, Ins. Life, ii, 153, 1889. Scotia.

IDE Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 180, 1879; WALSINGHAM, Ins. Life, ii, 155, 1889.

*5840. **osseella** WALSINGHAM, Ins. Life, ii, 155, 1889. Cal.

5841. **vestalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 247, 1873; WALSINGHAM, Ins. Life, ii, 155, 1889. Tex., Fla., S. C.

syn. *albella* CHAMBERS, Can. Ent., vi, 234, 1874.

5842. **lithosina** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 244, 1873; WALSINGHAM, Ins. Life, ii, 155, 1889. Tex., Fla.

syn. *tortricella* CHAMBERS, Can. Ent., vi, 235, 1874; Bull. Geol. Surv. Terr., iii, 122, 141, 1877.

Family CECOPHORIDÆ.

EUMEYRICKIA Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 94, 1902.

5843. **trimaculella** FITCH, Rep. Ins. N. Y., ii, 233, 1856; BUSCK, Jn. N. Y. Ent. Soc., x, 94, 1902. No. Atl. States.

syn. *albapulvella* CHAMBERS, Can. Ent., vii, 147, 1875; *haustellata* WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882.

CRYPTOLECHIA Zeller.

ZELLER, Lep. Micr., 106, 1852; WALSINGHAM, Ins. Life, ii, 150, 1889.

5844. **sparsiciliella** CLEMENS, Proc. Ent. Soc. Phil., ii, 430, 1863; Tin. No. Am., 255, 1872. Atl. States.

syn. *contrariella* WALKER, Cat. Brit. Mus., xxix, 771, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 85, 1880; *atropicta* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 343, 1875; *sparsicella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 129, 1878.

5845. **concolorella** BEUTENMÜLLER, Ent. Amer., iv, 30, 1888; WALSINGHAM, Ins. Life, ii, 152, 1889. Nev.

5846. **cretacea** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 243, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 176, 1882. Tex.

*5847. **ferruginosa** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 243, 1873. Ohio.

*5848. **obscurumaculella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878. Tex.

*5849. **obsoletella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 242, 1873. Ohio.

5874. *curvilineella* BEUTENMÜLLER, Ent. Amer., v, 10, 1889. N. Y.,
Can.
5875. *senicionella* BUSCK, Proc. U. S. Nat. Mus., xxiv, 742, 1902. D. C.,
Va.
syn. *seniciella* BUSCK, Proc. U. S. Nat. Mus.,
xxiv, 743, 1902.
- *5876. *sabulella* WALSINGHAM, Proc. Zool. Soc. Lond., 313, 1881. Cal.
- *5877. *arenella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 137, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3204, 1901. Cal.,
Eur.
syn. *gilvella* HÜBNER.
5878. *canadensis* BUSCK, Proc. U. S. Nat. Mus., xxiv, 744, 1902. Can.
- *5879. *lythrella* WALSINGHAM, Ins. Life, i, 257, 1889. Ill.
5880. *posticella* WALSINGHAM, Proc. Zool. Soc. Lond., 315, 1881. Cal.,
Col.
5881. *nubiferella* WALSINGHAM, Proc. Zool. Soc. Lond., 316, 1881. Cal.
5882. *robiniella* PACKARD, Guide Stud. Ins., 349, 1869; CHAMBERS, Can. Ent., iv, 107, 1874; Cin. Quart. Jn. Sci., ii, 208, 1875. So. Atl.
States.
syn. *hilarella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 234, 1873.
5883. *lecontella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 174, 1860; Tin. No. Am., 137, 1872; CHAMBERS, Can. Ent., iv, 146, 1874; ROBINSON, Ann. N. Y. Lyc. Nat. Hist., ix, 157, 1868. N. Y.,
Pa.
5884. *emeritella* STAINTON, Trans. Ent. Soc. Lond., v, 167, 1849; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3283, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 318, 1881. Cal.,
Eur.
5885. *togata* WALSINGHAM, Ins. Life, i, 254, 1889. Cal., Oreg.
5886. *betulella* BUSCK, Proc. U. S. Nat. Mus., xxiv, 746, 1902. Pa.
5887. *nervosa* HAWORTH, Lep. Brit., 506, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3306, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 317, 1881. Eur.
syn. *apiella* HÜBNER, *daucella* TREITSCHKE.
5888. *barberella* BUSCK, Proc. U. S. Nat. Mus., xxiv, 747, 1902. Ariz.

5889. **heracliana** DE GEER, Mém. Ins., ii, 407, 1771; ZELLER, Isis, 305, 1839; Linn. Ent., ix, 312, 1854; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3280, 1901. Atl. States, Eur.
 syn. *heraclei* RETZIUS, Gen. Degeerii, 45, 1783; *umbellana* FABRICIUS, Ent. Syst., iii, 286, 1775; *umbellella* ZETTERSTEDT, Ins. Lap., 999, 1840; *pastinacella* DUPONCHEL, Hist. Nat., viii, 153, 1836; *ontariella* BETHUNE, Can. Ent., ii, 3, 19, 1870.
- *5890. **groteella** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 157, 1868. Atl. States.
5891. **cinereocostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., ii, 422, 1864; Tin. No. Am., 245, 1872; CHAMBERS, Can. Ent., iv, 91, 1872; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 155, 1868. Pa., Va.
 syn. *clausella* WALKER, Cat. Brit. Mus., xxix, 564, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 312, 1881; Ins. Life, i, 255, 1889.
- *5892. **scabella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 236, 1873. Ohio.

SEMIOSCOPSIS Hübner.

HÜBNER, Verz. bek. Schmett., 402, 1816; *Enicostoma* STEPHENS, Cat. Brit. Ins., 296, 1829; *Epigraphia* STEPHENS, Cat. Brit. Ins., 304, 1829.

5893. **packardella** CLEMENS, Proc. Ent. Soc. Phil., ii, 125, 1863; Tin. No. Am., 231, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 174, 1882. No. Atl. States.
 syn. *eruditella* GROTE, No. Am. Ent., i, 53, 1880.
5894. **allenella** WALSINGHAM, Trans. Am. Ent. Soc., x, 174, 1882. No. Atl. States.
- *5895. **inornata** WALSINGHAM, Trans. Am. Ent. Soc., x, 174, 1882. (Unknown.)

ETHMIA Hübner.

HÜBNER, Verz. bek. Schmett., 163, 1816; WALSINGHAM, Proc. Zool. Soc. Lond., 88, 1897; *Psecadia* HÜBNER, Verz. bek. Schmett., 412, 1816.

5896. **albicostella** BEUTENMÜLLER, Ent. Amer., v, 9, 1889. Col.
5897. **albistrigella** WALSINGHAM, Proc. Zool. Soc. Lond., 89, 1880. Cal., Col.
5898. **arctostaphylella** WALSINGHAM, Proc. Zool. Soc. Lond., 88, 1880. Cal.
5899. **discostrigella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 122, 144, 1877; WALSINGHAM, Ins. Life, i, 149, 1888. Rocky Mts.

- *5850. **piperatella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 239, 1873. Tex.
5851. **quercicella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 159, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 240, 1873; WALSINGHAM, Ins. Life, ii, 151, 1889. Atl. States.
- syn. *cressonella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 85, 1878; *faginella* CHAMBERS, Can. Ent., iv, 131, 1872; vi, 231, 1874; Bull. Geol. Surv. Terr., iv, 84, 1878; *cryptolechiella* CHAMBERS, Can. Ent., iv, 91, 131, 1872; Bull. Geol. Surv. Terr., iv, 84, 1878; *dubitatella* ZELLER, Hor. Soc. Ent. Ross., 262, 1887.
5852. **reflexella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 149, 1872; WALSINGHAM, Ins. Life, ii, 151, 1889. Pa.
- syn. *reflexa* CHAMBERS, Bull. Geol. Surv. Terr., iv, 137, 1878.

MACHIMIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 147, 1872.

5853. **tentoriferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 148, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, 238, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 84, 1878. Atl. States.
- syn. *confertella* WALKER, Cat. Brit. Mus., xxix, 563, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 312, 1881; *fernaldella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 83, 1878.

DEPRESSARIA Haworth.

HAWORTH, Lep. Brit., 505, 1812; CLEMENS, Tin. No. Am., 229, 1872; BUSCK, Proc. U. S. Nat. Mus., xxiv, 731-749, 1902.

5854. **atrodorsella** CLEMENS, Proc. Ent. Soc. Phil., ii, 124, 1863; Tin. No. Am., 230, 1872; PACKARD, Guide Stud. Ins., 349, 1869; CHAMBERS, Can. Ent., iv, 91, 1872; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 156, 1868; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 233, 1873. Atl. States.
5855. **umbraticostella** WALSINGHAM, Proc. Zool. Soc. Lond., 318, 1881. Cal. Col.
- *5856. **thoracenigræella** CHAMBERS, Cinn. Quart. Jn. Sci., ii, 246, 1875. Cal.
5857. **gracilis** WALSINGHAM, Ins. Life, i, 257, 1899. Tex., Col.

5941. **laticapitella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 173, 1860; Tin. No. Am., 41, 136, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 190, 1882; DIETZ, Trans. Am. Ent. Soc., xxvii, 106, 1900. Atl. States.
- syn. *aufugella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 300, 1873; *anfugella* DIETZ, Trans. Am. Ent. Soc., xxvii, 119, 1900; *luteopulvella* CHAMBERS, Can. Ent., vii, 73, 1875.
5942. **mediofasciella** DIETZ, Trans. Am. Ent. Soc., xxvii, 107, 1900. Pa.
5943. **ornatella** DIETZ, Trans. Am. Ent. Soc., xxvii, 107, 1900. Pa.
5944. **angustipennella** DIETZ, Trans. Am. Ent. Soc., xxvii, 108, 1900. Pa.
5945. **tristella** DIETZ, Trans. Am. Ent. Soc., xxvii, 108, 1900. Pa.
5946. **spoliatella** DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900. Pa.
- *5947. **arizonella** DIETZ, Trans. Am. Ent. Soc., xxvii, 109, 1900. Ariz.
5948. **obscorella** DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900. Pa.

EPIGRITIA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900.

5949. **pallidotinctella** DIETZ, Trans. Am. Ent. Soc., xxvii, 111, 1900. Pa.
5950. **heidemannella** DIETZ, Trans. Am. Ent. Soc., xxvii, 111, 1900. Pa.

DRYOPE Chambers.

CHAMBERS, Can. Ent., vi, 49, 1874; DIETZ, Trans. Am. Ent. Soc., xxvii, 114, 1900.

- *5951. **occidentella** DIETZ, Trans. Am. Ent. Soc., xxvii, 115, 1900. Cal.
- *5952. **tenebrella** DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. Pa.
- *5953. **minnicella** DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. Ga.
5954. **grisella** DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. Pa., Mo., S. Dak.
- *5955. **fuscosuffusella** DIETZ, Trans. Am. Ent. Soc., xxvii, 117, 1900. Mo.

5956. **ochrocomella** CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1864; Tin. No. Am., 232, 1872; DIETZ, Trans. Am. Ent. Soc., xxvii, 117, 1900. Atl. States.
 syn. *murtfeldtella* CHAMBERS, Can. Ent., vi, 50, 1874; *ochroeomella* DIETZ.
- *5957. **canariella** DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. Cal.
- *5958. **discopunctella** DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. Pa.
- *5959. **ochreella** CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1864; Tin. No. Am., 232, 1872; DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. Atl. States.
- *5960. **fenyesella** DIETZ, Trans. Am. Ent. Soc., xxvii, 119, 1900. Cal.

PSEUDOPIGRITIA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900.

5961. **dorsomaculella** DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900. Pa.
5962. **equitella** DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900. Pa.
- *5963. **fraternella** DIETZ, Trans. Am. Ent. Soc., xxvii, 113, 1900. Pa.
- *5964. **argyreella** DIETZ, Trans. Am. Ent. Soc., xxvii, 113, 1900. Pa.

HYPATIMA Hübner.

HÜBNER, Verz. bek. Schmett., 415, 1816.

- *5965. **subsenella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 302, 1873. Tex.
- *5966. **confectella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 303, 1873. Tex.

BLASTOBASIS Zeller.

ZELLER, Linn. Ent., x, 171, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 295, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 91, 1897.

5967. **guilandinæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, 234, 1900. Fla.
- *5968. **sciaphiella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 295, 1873; CHAMBERS, Can. Ent., ix, 71, 1877; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. Tex.
- *5969. **subtractella** WALKER, Cat. Brit. Mus., xxix, 592, 1864. Nova Scotia.

HOLCOCERA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 121, 1863.

5970. **chalcfrontella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 226, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 95, 1873; CHAMBERS, Can. Ent., iv, 65, 1872; vi, 246, 1874; Cin. Quart. Jn. Sci., ii, 256, 1875. Atl. States.
- *5971. **fluxella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 301, 1873. Tex.
5972. **gigantella** CHAMBERS, Can. Ent., viii, 219, 1876; Bull. Geol. Surv. Terr., iii, 149, 1877. Col.
- *5973. **gilbociliella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 227, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 95, 1873. Atl. States.
5974. **iceryæella** RILEY, Rept. Comm. Agr., 1886, 485, 1887. Australia.
- *5975. **modestella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 229, 1872. Atl. States.
- *5976. **purpurocomella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 229, 1872. Atl. States.
5977. **quisquiliella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 298, 1873. Tex.
- *5978. **retectella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 297, 1873. Tex.
5979. **glandulella** RILEY, Can. Ent., iii, 18, 1871; iv, 17, 38, 62, 65, 1872; Rep. Ins. Mo., iv, 144, 1871; CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875. Atl. States.
- *5980. **nubilella** ZELLER, Verh. zool. bot. Ges. Wien, xxiii, 297, 1873; xxv, 345, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 191, 1882. Tex.
- *5981. **triangularisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875; Can. Ent., ix, 71, 1877. Ky.
- *5982. **livorella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 299, 1873. Tex.
syn. *livoletta* RILEY, Smith's List Lep. Bor. Am., 104, 1891.
- *5983. **fuscopulvella** CHAMBERS, Bull. U. S. Geol. Surv., iv, 132, 1878 (not described).^a (Unknown.)
- *5984. **fractilinea** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 298, 1873. Tex.

^a Chambers credits Clemens with this species, but I have not found it in his writings.

- *5985. *clemensella* CHAMBERS, Can. Ent., vi, 246, 1874. Tex.
 5986. *maligemmella* MURTFELDT, Mo. Agr. Exp. Sta., Mo.,
 Bull. 42, 1898; STEDMAN, Can. Ent., xxx, 109, Kans.
 1898; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902.

Family ELACHISTIDÆ.

COLEOPHORA Hübner.

HÜBNER, Tent., 1806; CLEMENS, Tin. No. Am., 210, 1872.

- *5989. *accordella* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
 436, 1882.
- *5990. *æneusella* CHAMBERS, Can. Ent., vi, 128, 1874. Ky.
 syn. *æmusella* RILEY, Smith's List Lep. Bor.
 Am., 105, 1891; *æmusella* CHAMBERS, Bull.
 Geol. Surv. Terr., iv, 135, 1878.
- *5991. *acutipennella* WALSINGHAM, Trans. Ent. Soc. Cal.
 Lond., 440, 1882.
- *5992. *albacostella* CHAMBERS, Can. Ent., vii, 95, 1875; Tex.
 Bull. Geol. Surv. Terr., iv, 93, 1878.
- *5993. *argentialbella* CHAMBERS, Can. Ent., vi, 128, 1874; Ky.
 x, 112, 1878.
- *5994. *chambersella* DYAR. Col.
 syn. *artemisicollella* CHAMBERS (not BRUAND),
 Bull. Geol. Surv. Terr., iii, 133, 144, 1877.
5995. *atriplicivora* COCKERELL, Ann. Mag. Nat. Hist., N. Mex.
 (7), ii, 403, 1898.
5996. *auropurpurella* CHAMBERS, Can. Ent., vi, 130, Can.
 1874.
- *5997. *basistrigella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
 iii, 133, 1877.
5998. *bella* WALSINGHAM, Trans. Ent. Soc. Lond., 439, Cal.
 1882.
- *5999. *biminimaculella* CHAMBERS, Bull. Geol. Surv. Tex.
 Terr., iv, 94, 1878.
- *6000. *bipunctella* WALSINGHAM, Trans. Ent. Soc. Lond., Tex.
 440, 1882.
6001. *bistrigella* CHAMBERS, Can. Ent., vii, 75, 1875; Tex.,
 ix, 14, 72, 1877; x, 112, 1878; Jn. Cin. Soc. Nat. Col.
 Hist., ii, 7, 1880; Bull. Geol. Surv. Terr., iii, 133,
 1877.
- *6002. *cœnosipennella* CLEMENS, Proc. Acad. Nat. Sci. Pa.
 Phil., 5, 1860; Tin. No. Am., 88, 1872.

6003. **caryæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 78, 1861; Tin. No. Am., 166, 1872; CHAMBERS, Can. Ent., x, 112, 1878.
 syn. *rufoluteella* CHAMBERS, Can. Ent., vi, 129, 1874. Pa.
- *6004. **castipennella** WALSINGHAM, Trans. Ent. Soc. Lond., 441, 1882. Cal.
- *6005. **cerasivorella** PACKARD, Seventeenth Ann. Rept. Mass. Bd. Agr., 239, 1870. Mass.
6006. **cæspititiella** ZELLER, Isis, 208, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3845, 1901. Eur., Ky.
 syn. *sternipennella* ZETTERSTEDT, *lacunæcolella* DUPONCHEL, *ciliæochrella* CHAMBERS, Can. Ent., vi, 129, 1874; *cispiticella* HULST, Ent. Amer., vi, 40, 1890; *cespititiella* RILEY, Smith's List Lep. Bor. Am., 105, 1891.
6007. **cinerella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. Ky.
- *6008. **concolorella** CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863; Tin. No. Am., 211, 1872; CHAMBERS, Can. Ent., vi, 129, 1874. Pa.
6009. **cornella** WALSINGHAM, Trans. Ent. Soc. Lond., 432, 1882. Cal.
6010. **spissicornis** HAWORTH, Lep. Brit., 537, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3680, 1901. Atl. States, Eur.
 syn. *fabriciella* VILLIERS, *mayrella* ZELLER, *trochilipennella* COSTA, *corruscipennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 4, 1860; Tin. No. Am., 88, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 311, 1873.
- *6011. **corylifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1863; Tin. No. Am., 166, 1872. Pa.
- *6012. **cratipennella** CLEMENS, Proc. Ent. Soc. Phil., iii, 506, 1864; Tin. No. Am., 258, 1872. Pa.
- *6013. **cretaticostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 89, 1872; CHAMBERS, Can. Ent., vii, 124, 1875. Pa.
- *6014. **currucipennella** ZELLER, Isis, 207, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3791, 1901; WALSINGHAM, Trans. Ent. Soc. Lond., 430, 1882. Eur., Atl. States.
 syn. *tristrigella* HEINEMANN & WOCKE.
- *6015. **discostrata** WALSINGHAM, Trans. Ent. Soc. Lond., 435, 1882. Cal.

- *6016. *fletcherella* FERNALD, Can. Ent., xxiv, 122, 1892; FLETCHER, Rept. Exp. Farms, 1891, 196, 1892; SLINGERLAND, Bull. 92, Corn. Exp. Sta., 1895. Can.
6017. *fugicosticella* CHAMBERS, Can. Ent., vi, 129, 1874; x, 111, 1878. Ky.
 syn. *fugicorticella* CHAMBERS, Bull. Geol. Surv., iv, 135, 1878; *fragicorticella* RILEY, Smith's List Lep. Bor. Am., 106, 1891.
- *6018. *fuscostrigella* CHAMBERS, Bull. Geol. Surv., iv, 93, 1878. Tex.
6019. *gigantella* CHAMBERS, Can. Ent., vi, 128, 1874; x, 110, 1878. Can.
6020. *glauccella* WALSINGHAM, Trans. Ent. Soc. Lond., 433, 1882. Cal.
- *6021. *infuscatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 89, 1872. Pa.
- *6022. *inornatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 185, 1879. Tex.
- *6023. *irroratella* WALSINGHAM, Trans. Ent. Soc. Lond., 434, 1882. Cal.
- *6024. *laricella* HCBNER, Schm. Eur., 427, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3633, 1901. Eur., U. S.?
 syn. *laricinella* RATZBURG.
- *6025. *laticornella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 88, 1872. Pa.
- *6026. *leucochrysella* CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863; Tin. No. Am., 211, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. Pa.
- *6027. *lineapulvella* CHAMBERS, Can. Ent., x, 111, 1878. Ky.
6028. *lynosyridella* WALSINGHAM, Trans. Ent. Soc. Lond., 437, 1882. Cal.
6029. *luteocostella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 294, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877. Col.
 syn. *argentella* CHAMBERS, Can. Ent., x, 112, 1878; *argentialbella* CHAMBERS (not CHAMBERS), Can. Ent., vii, 75, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877.
6030. *malivorella* RILEY, Rept. Comm. Agr., 48, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. Atl. States.
 syn. *mutipulvella* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 93, 1878.

- *6031. **nigralineella** CHAMBERS, Can. Ent., viii, 172, 1876. Ky.
 syn. *nigerlinella* CHAMBERS, Bull. Geol. Surv.,
 iv, 136, 1878.
6032. **nigrostriata** WALSINGHAM, Trans. Ent. Soc. Oreg.
 Lond., 438, 1882.
- *6033. **ochrella** CHAMBERS, Bull. Geol. Surv. Terr., iv, Ky.
 94, 1878.
- *6034. **pruniella** CLEMENS, Proc. Ent. Soc. Phil., i, 79, Atl.
 1861; Tin. No. Am., 167, 1872; ZELLER, Verh. States.
 zool.-bot. Ges. Wien, xxiii, 309, 1873.
 syn. *occidentis* ZELLER, Verh. zool.-bot. Ges.
 Wien, xxiii, 309, 1873; *occidentalis* RILEY,
 Smith's List Lep. Bor. Am., 106, 1891.
6035. **ochrostriata** WALSINGHAM, Trans. Ent. Soc. Cal.
 Lond., 437, 1882.
6036. **octagonella** WALSINGHAM, Trans. Ent. Soc. Lond., Fla.
 431, 1882.
- *6037. **ostryæ** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Atl.
 Tin. No. Am., 167, 1872. States.
6038. **portulacæ** COCKERELL, Ann. Mag. Nat. Hist., (7), N. Mex.
 ii, 328, 1898.
- *6039. **quadrilineella** CHAMBERS, Bull. Geol. Surv. Terr., Ky.
 iv, 94, 1878.
- *6040. **querciella** CLEMENS, Proc. Ent. Soc. Phil., i, 80, Pa.
 1861; Tin. No. Am., 168, 1872.
- *6041. **rosacella** CLEMENS, Proc. Ent. Soc. Phil., ii, 426, Pa.
 1864; Tin. No. Am., 251, 1872; PACKARD, Guide
 Stud. Ins., 350, 1869.
- *6042. **rosæfoliella** CLEMENS, Proc. Ent. Soc. Phil., ii, Atl.
 426, 1864; Tin. No. Am., 250, 1872; PACKARD, States.
 Guide Stud. Ins., 350, 1869.
- *6043. **shaleriella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 116, Ky.
 1875.
- *6044. **sparsipulvella** CHAMBERS, Cin. Quart. Jn. Sci., Col.
 ii, 294, 1875; Bull. Geol. Surv. Terr., iii, 133,
 1877.
6045. **suædicola** COCKERELL, Ann. Mag. Nat. Hist., (7), N. Mex.
 ii, 403, 1898.
- *6046. **tenuis** WALSINGHAM, Trans. Ent. Soc. Lond., 436, Cal.
 1882.
- *6047. **texanella** CHAMBERS, Bull. Geol. Surv. Terr., iv, Tex.
 93, 1878.

- *6048. *tiliæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 79, Pa.
1861; Tin. No. Am., 168, 1872.
6049. *trilineella* CHAMBERS, Can. Ent., vii, 95, 1875. Ky.
- *6050. *unicolorella* CHAMBERS, Can. Ent., vi, 129, 1874; x, Ky.
111, 1878.
- *6051. *veroniæella* CHAMBERS, Can. Ent., x, 114, 1878. Ky., Mo.
- *6052. *viburnella* CLEMENS, Proc. Ent. Soc. Phil., i, 79, Pa.
1861; Tin. No. Am., 167, 1872.
- *6053. *viridicuprella* WALSINGHAM, Trans. Ent. Soc. Cal.,
Lond., 432, 1882. Oreg.
6054. *viscidiflorella* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 439, 1882.
- *6055. *wythiæ* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
434, 1882.
- *6056. *zelleriella* CHAMBERS, Can. Ent., vi, 128, 1874. Ky.

COLEOTECHNISTES Chambers.

CHAMBERS, Rept. Dept. Agr., 206, 1879.

6057. *citriella* CHAMBERS, Rept. Dept. Agr., 206, 1879. Fla.

BATRACHETRA Stainton.

STAINTON, Ins. Brit., Tin., iii, 230, 1854; CLEMENS, Tin. No. Am., 264, 1872.

- *6058. *præangusta* HAWORTH, Ins. Brit., iii, 230, 1854; Eur.
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no.
3460, 1901; CHAMBERS, Bull. Geol. Surv. Terr.,
iii, 134, 1877; Can. Ent., ix, 145, 1877.
6059. *rileyi* WALSINGHAM, Trans. Am. Ent. Soc., x, 198, Gulf
1882. States.
6060. *salicipomonella* CLEMENS, Proc. Ent. Soc. Phil., Atl.
v, 142, 1867; vi, 273, 1868; Tin. No. Am., 265, States.
1872; ZELLER, Verh. zool.-bot. Ges. Wien,
xxiii, 313, 1873; PACKARD, Guide Stud. Ins., 352,
1869; CHAMBERS, Can. Ent., ix, 145, 1877.
6060. 1. *striolata* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxiii, 313, 1873.
syn. *pulvella* CHAMBERS, Can. Ent., viii, 171,
1876; *clemensella* CHAMBERS, Bull. Geol.
Surv. Terr., iii, 134, 1877; Can. Ent., ix,
146, 1877.

COSMOPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 424, 1816; CLEMENS, Tin. No. Am., 99, 1872.

- *6061. *chalybæella* WALSINGHAM, Ins. Life, i, 289, 1889. Tex.

- *6062. *clemensella* STAINTON, Tin. No. Am., 39, 100, 1872; Ent. Week. Int., ix, 31, 1860; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876. Pa.?
- *6063. *delicatella* WALSINGHAM, Ins. Life, i, 290, 1889. N. C.
- *6064. *fernaldella* WALSINGHAM, Trans. Am. Ent. Soc., (Unknown.) x, 197, 1882.
6065. *floridanella* BEUTENMÜLLER, Ent. Amer., v, 10, 1889. Fla.
syn. *nigrapunctella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 235, 1900.
6066. *gemmiferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 10, 1860; Tin. No. Am., 99, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 231, 1875; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876; WALSINGHAM, Proc. Zool. Soc. Lond., 536, 1891. Atl. States.
6067. *ipomœæ* BUSCK, Proc. U. S. Nat. Mus., xxiii, 235, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 478, 1901. Fla.
6068. *attenuatella* WALKER, Cat. Brit. Mus., xxx, 1019, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 105, 1897. So. States.
syn. *lespedezæ* WALSINGHAM, Trans. Am. Ent. Soc., x, 198, 1882; Proc. Zool. Soc. Lond., 536, 1891.
6069. *minutella* BEUTENMÜLLER, Ent. Amer., v, 10, 1889. Fla.
- *6070. *montisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 297, 1875; Bull. Geol. Surv. Terr., iii, 124, 1877. Col.
- *6071. *nitens* WALSINGHAM, Ins. Life, i, 289, 1899. Tex.
6072. *pulcherrimella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 231, 1875; WALSINGHAM, Ins. Life, i, 289, 1889. Ky.
- *6073. *quadrilineella* CHAMBERS, Bull. Geol. Sur. Terr., iv, 95, 1878; WALSINGHAM, Ins. Life, i, 290, 1889. Tex.
- *6074. *unicolorella* WALSINGHAM, Ins. Life, i, 291, 1889. Cal.

SCELORTHUS Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 239, 1901.

6075. *pisoniella* BUSCK, Jn. N. Y. Ent. Soc., viii, 240, 1901. Fla.

ELACHISTA Treitschke.

TREITSCHKE, Schm. Eur., ix, 2, 177, 1833; CLEMENS, Tin. No. Am., 255, 1872
moites CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860.

- *6076. *albapalpella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 294, 1880. Mas.

- *6077. **duplicatella** DYAR. Tex.
syn. *bicristatella* CHAMBERS (not CHAMBERS),
Jn. Cin. Soc. Nat. Hist., ii, 187, 1879.
- *6078. **brachyelytrifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 425, 1860; Tin. No. Am., 248, 1872. Pa.
6079. **concolorella** CHAMBERS, Can. Ent., vii, 55, 1875. Ky.
- *6080. **cristatella** CHAMBERS, Can. Ent., viii, 172, 1876. Ky.
- *6081. **illicitella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 139, 1878. Pa.
- *6082. **inornatella** CHAMBERS, Can. Ent., vii, 93, 1875. Ky.
- *6083. **maculosella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv., iv, 139, 1878. Pa.
- *6084. **madarella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 139, 1878. Pa.
- *6085. **metallifera** WALSHINGHAM, Trans. Am. Ent. Soc., x, 200, 1882. Mass.?
- *6086. **orichalcella** CLEMENS, Proc. Ent. Soc. Phil., ii, 430, 1864; Tin. No. Am., 256, 1872; PACKARD, Guide Stud. Ins., 352, 1869. Pa.
6087. **parvipulvella** CHAMBERS, Can. Ent., vii, 56, 1875. Ky.
6088. **præmaturella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; Tin. No. Am., 133, 1872; CHAMBERS, Can. Ent., vi, 76, 1874; Bull. Geol. Surv. Terr., iii, 143, 1877. Pa.
- *6089. **pusilla** FREY & BOLL, Stett. ent. Zeit., xxxvii, 215, 1876. Tex.
- *6090. **staintonella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.
- *6091. **texanella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.
- *6092. **texanica** FREY & BOLL, Stett. ent. Zeit., xxxvii, 216, 1876. Tex.
- *6093. **unifasciella** CHAMBERS, Can. Ent., vii, 147, 1875. Ky.?
- *6094. **bicristatella** CHAMBERS, Can. Ent., vii, 210, 1875. Ky.
- *6095. **curvilineella** CHAMBERS, Can. Ent., iv, 172, 1872. Ky.

LYMNÆCIA Stainton.

STAINTON, Cat. Brit. Tin., suppl., 4, 1851.

6096. **phragmitiella** STAINTON, Cat. Brit. Tin., suppl., 4, 1851; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3592, 1901; MEYRICK, Hand. Brit. Lep., 675, 1895; BUSCK, Proc. Ent. Soc. Wash., iv, 421, 1901. Atl. States, Eur.

LITHARIAPTERYX Chambers.

CHAMBERS, Can. Ent., viii, 217, 1876; Jn. Cin. Soc. Nat. Hist., ii, 203, 1880.

6097. **abroniæella** CHAMBERS, Can. Ent., viii, 217, 1876; Bull. Geol. Surv. Terr., iii, 124, 149, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 410, 1902. Col.

LAMPROLOPHUS Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 241, 1900.

6098. **lithella** BUSCK, Jn. N. Y. Ent. Soc., viii, 241, 1900. Fla.

HELIODINES Stainton.

STAINTON, Ins. Brit. Lep., 243, 1854; WALSINGHAM, Ins. Life, iv, 384, 1892; Proc. Zool. Soc. Lond., 108, 1897.

6099. **bella** CHAMBERS, Can. Ent., vii, 73, 1875; ix, 72, 1877; Bull. Geol. Surv. Terr., iii, 114, 1877; WALSINGHAM, Ins. Life, iv, 384, 1892. Ky., Tex., Col., Cal.
- *6100. **extraneella** WALSINGHAM, Proc. Zool. Soc. Lond., 323, 1881; Ins. Life, iv, 385, 1892. Cal.
- *6101. **sexpunctella** WALSINGHAM, Ins. Life, iv, 385, 1892. Ariz.
- *6102. **tripunctella** WALSINGHAM, Ins. Life, iv, 384, 1892. Tex.
- *6103. **unipunctella** WALSINGHAM, Ins. Life, iv, 385, 1892. Cal.

SCYTHRIS Hübner.

HÜBNER, Verz. bek. Schmett., 414, 1816; MEYRICK, Handb. Brit. Lep., 685, 1895; *Galanthia* HÜBNER, Verz. bek. Schmett., 417, 1816; *Butalis* TREITSCHKE, Schm. Eur., ix, 2, 108, 1833.

6104. **albapennella** CHAMBERS, Can. Ent., vii, 11, 1875. Tex.
6105. **albineata** WALSINGHAM, Ins. Life, i, 116, 1888. Ariz.
- *6106. **aterrimella** WALKER, Cat. Brit. Mus., xxix, 590, 1864. Can.

6107. **basilaris** ZELLER, Linn. Ent., x, 230, 1855; STAINTON, Tin. No. Am., 40, 1872; WALSINGHAM, Ins. Life, i, 114, 1888. Atl. States.
 syn. *flavifrontella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 126, 1872; CHAMBERS, Can. Ent., vi, 8, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873.
6108. **eboracensis** ZELLER, Linn. Ent., x, 205, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 294, 1873. N. Y., Tex.
- *6109. **fuscomella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 126, 1872; CHAMBERS, Can. Ent., vi, 8, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873. Pa.
6110. **impositella** ZELLER, Linn. Ent., x, 241, 1855; WALSINGHAM, Ins. Life, i, 113, 1888. Atl. States.
 syn. *matutella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 40, 127, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873; WALSINGHAM, Ins. Life, i, 113, 1888; *monstratella* WALKER, Cat. Brit. Mus., xxix, 594, 1864; WALSINGHAM, Ins. Life, i, 113, 1888; *dorsipallidella* CHAMBERS, Can. Ent., vii, 10, 1875; *buristriga* CHAMBERS, Can. Ent., vii, 10, 1875; *brevistriga* CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 133, 1878; *brevistrigella* CHAMBERS, Can. Ent., vii, 54, 1875; *immaculatella* CHAMBERS, Can. Ent., vii, 10, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877.
6111. **ochristriata** WALSINGHAM, Ins. Life, i, 115, 1888. Cal.
6112. **perspicelella** WALSINGHAM, Ins. Life, i, 114, 1888. Cal.
- *6113. **pilosella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 293, 1873. Mass.
6114. **plausipennella** CHAMBERS, Can. Ent., vii, 10, 1875. Tex.
 syn. *planipennella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 134, 1878.
6115. **suffusa** WALSINGHAM, Ins. Life, i, 114, 1888. Cal.
6116. **trivinctella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. Tex.

HELIOZELA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Schmett. Eur., v, 56, 1855.

6117. **æsellæ** CHAMBERS, Can. Ent., ix, 108, 1877. Ky.
- *6118. **gracilis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 314, 1873. Tex.

IDIOGLOSSA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 272, 1881; *Idiostoma* MURTFELDT, Can. Ent., xv, 139, 1883; *Metamorpha* FREY & BOLL (not HÜBNER), Stett. ent. Zeit., xxxix, 277, 1878; WALSINGHAM, Can. Ent., xv, 239, 1883.

6119. **miraculosa** FREY & BOLL, Stett. ent. Zeit., xxxix, 278, 1878. Tex.
 syn. *americella* WALSINGHAM, Trans. Am. Ent. Soc., x, 199, 1882.

ANTISPILA Hübner.

HÜBNER, Verz. bek. Schmett., 419, 1816.

6120. **ampelopsiella** CHAMBERS, Can. Ent., vi, 168, 197, 1874; ix, 195, 1877; xi, 126, 1879. Ky.
- *6121. **cornifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 103, 1872; CHAMBERS, Can. Ent., vi, 166, 170, 198, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 253, 1878; CHAMBERS, Psyche, iii, 63, 1880. Atl. States.
6122. **eugeniella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 236, 1900. Fla.
- *6123. **hydrangiæella** CHAMBERS, Can. Ent., vi, 170, 1874; ix, 195, 1877; xi, 126, 1879. Ky.
6124. **isabella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 142, 1872; CHAMBERS, Can. Ent., vi, 167, 198, 1874. Pa.
 syn. *issabella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 129, 1878.
6125. **nyssæfoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 102, 1872; CHAMBERS, Psyche, iii, 63, 1880. Atl. States.
- *6126. **viticordifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 142, 1872; CHAMBERS, Can. Ent., vi, 169, 198, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 253, 1878; CHAMBERS, Psyche, iii, 63, 1880. Atl. States.

STILBOSIS Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 170, 1860; Tin. No. Am., 40, 129, 1827.

6127. **tesquella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 170, 1860; WALSINGHAM, Trans. Am. Ent. Soc., x, 197, 1882. Atl. States.
 syn. *quinquecristatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 293, 1880; *tesquatella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 162, 1878.

CYCLOPLASIS Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 420, 1864; Tin. No. Am., 246, 1872; WALSHINGHAM, Proc. Zool. Soc. Lond., 143, 1897.

6128. *panicifoliella* CLEMENS, Proc. Ent. Soc. Phil., ii, 422, 1864; Tin. No. Am., 248, 1872; DYAR, Proc. Ent. Soc. Wash., iv, 479, 1901. Atl. States, Fla.

ÆTIA Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 186, 1879.

- *6129. *bipunctella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 187, 1879. Tex.

THEISOA Chambers.

CHAMBERS, Can. Ent., vi, 75, 1874.

- *6130. *constrictella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 291, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 165, 1878. Tex.

syn. *bifasciella* CHAMBERS, Can. Ent., vi, 75, 1874; vii, 93, 1875; ix, 24, 1877.

- *6131. *multifasciella* CHAMBERS, Can. Ent., vii, 93, 1875. Tex.

CHRYSOPELEIA Chambers.

CHAMBERS, Can. Ent., vi, 72, 1874; *Euxa* CHAMBERS, Can. Ent., vi, 73, 1874.

- *6132. *ostryæella* CHAMBERS, Can. Ent., vi, 74, 1874; viii, 172, 1876; xi, 9, 1879. Ky.

- *6133. *purpuriella* CHAMBERS, Can. Ent., vi, 73, 1874; xi, 9, 1879; Psyche, iii, 64, 1880. Ky.

- *6134. *quadricristatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 186, 1879. Tex.

ERIPHIA Chambers.^a

Eriphia CHAMBERS (not LATREILLE), Can. Ent., vii, 55, 1875.

- *6135. *concolorella* CHAMBERS, Can. Ent., vii, 55, 94, 1875; Bull. Geol. Surv. Terr., iii, 137, 1877. Ky.

- *6136. *albalineella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 95, 1878. Tex.

- *6137. *nigrilineella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.

COPTODISCA Walsingham.

WALSINGHAM, Ent. Mo. Mag., xxxi, 41, 1895; Proc. Zool. Soc. Lond., 143, 1897; *Aspidisca* CLEMENS (not EHRENBERG), Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 143, 1872.

6138. *diospyriella* CHAMBERS, Can. Ent., vi, 217, 1874. Ky.

^a Probably a synonym of *Mompha*.—Aug. BUSCK.

6139. *condaliæ* BUSCK, Proc. U. S. Nat. Mus., xxiii, 242, 1900. Fla.
6140. *ella* CHAMBERS, Can. Ent., iii, 224, 1871; vi, 152, 218, 1874. Ky.
6141. *luciflua* CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 143, 1872; CHAMBERS, Can. Ent., iii, 224, 1871; vi, 218, 1874; Psyche, iii, 64, 1880. Pa.
- *6142. *juglandiella* CHAMBERS, Can. Ent., vi, 151, 218, 1874. Ky.
- *6143. *ostryæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 82, 1861; Tin. No. Am., 171, 1872. Pa.
6144. *saliciella* CHAMBERS, Proc. Ent. Soc. Phil., i, 82, 1861; Tin. No. Am., 171, 1872; CHAMBERS, Psyche, iii, 147, 1880. Pa.
6145. *splendoriferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 12, 1860; Tin. No. Am., 105, 1872; CHAMBERS, Can. Ent., iii, 23, 1871; v, 50, 1873; vi, 149, 219, 1874; STANTON, Ent. Mo. Mag., ix, 18, 1872. Pa.
- syn. *pruniella* CLEMENS, Proc. Ent. Soc. Phil., i, 82, 1861; *saccatella* PACKARD, Guide Stud. Ins., 355, 1869; CHAMBERS, Can. Ent., iii, 223, 1871.

EPRMENIA Hübner.

HÜBNER, Verz. bek. Schmett., 418, 1816; *Chauliodus* TREITSCHKE (not SCHNEIDER), Schm. Eur., ix, 2, 31, 1833.

- *6146. *canicinctella* CLEMENS, Proc. Ent. Soc. Phil., ii, 129, 1863; Tin. No. Am., 236, 1872. Pa.
6147. *pimpinella* MURTFELDT, Can. Ent., xxxii, 162, 1900. Mo.

MOMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 414, 1816; *Laverna* CURTIS, Brit. Ent., 16, 1839; *Wilsonia* CLEMENS, Proc. Ent. Soc. Phil., iii, 428, 1864.

- *6148. *albella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875. Col.
- *6149. *albopalpella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875. Col.
- *6150. *argentimaculella* MURTFELDT, Can. Ent., xxxii, 161, 1900. Mo.
- *6151. *bifasciella* CHAMBERS, Can. Ent., viii, 158, 1876. Cal.

6152. **brevivittella** CLEMENS, Proc. Ent. Soc. Phil., ii, 428, 1864; Tin. No. Am., 254, 1872. Atl.
States.
syn. *ænotherivorella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 293, 1880; WALSINGHAM, Trans. Am. Ent. Soc., x, 169, 1882; *ænotheræseminella* CHAMBERS, Can. Ent., viii, 138, 1876; xi, 6, 1879.
- *6153. **circumscriptella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 312, 1873; CHAMBERS, Can. Ent., x, 239, 1878. Tex.
- *6154. **coloradella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 136, 1877. Col.
6155. **decorella** STEPHENS, Ill. Brit. Ent., Haust., iv, 213, 1835; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3580, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. Eur.,
Cal.
syn. *unifasciella* CHAMBERS, Can. Ent., viii, 159, 1876.
- *6156. **definitella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 311, 1873. Tex.
syn. *unicristatella* CHAMBERS, Can. Ent., vii, 32, 1875; ix, 74, 1877.
6157. **eloisella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 131, 1872; CHAMBERS, Can. Ent., ix, 74, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 195, 1882. Pa.
syn. *magnatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 315, 1873; CHAMBERS, Can. Ent., ix, 73, 1877; *ænotheræella* CHAMBERS, Can. Ent., vii, 30, 1875; *lyonetiella* CHAMBERS, Can. Ent., vii, 30, 51, 1875.
6158. **erransella** CHAMBERS, Can. Ent., vi, 52, 1874; vii, 52, 1875; ix, 187, 1877. Ky.
syn. *unomaculella* CHAMBERS, Can. Ent., vii, 94, 1875; xi, 9, 1879.
- *6159. **gleditschiæella** CHAMBERS, Can. Ent., viii, 135, 171, 1876; x, 232, 1878; xiii, 173, 1881; Psyche, iii, 66, 1880. Ky.
- *6160. **grandisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 296, 1875. Col.
- *6161. **ignobilisella** CHAMBERS, Can. Ent., vii, 33, 51, 1875; xi, 8, 1879. Tex.
6162. **luciferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 130, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. Pa.,
Ky.
syn. *cephalonthiella* CHAMBERS, Can. Ent., iii, 221, 1871; vii, 53, 1875; xi, 10, 1879.

- *6163. **minimella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 294, 1880. Mass.
6164. **murtfeldtella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 237, 1875; Can. Ent., viii, 159, 1876; ix, 13, 1877; xi, 5, 1879. Mo., Col., Tex.
- syn. *albocapitella* CHAMBERS, Can. Ent., vii, 33, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877; *grissæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875; Bull. Geol. Surv. Terr., iii, 141, 1877; *obscurusella* CHAMBERS, Can. Ent., vii, 53, 1875; *parvicristatella* CHAMBERS, Can. Ent., vii, 34, 1875.
6165. **rufocristatella** CHAMBERS, Can. Ent., vii, 33, 1875. Tex.
- *6166. **subiridescens** WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. Lab.
6167. **subbistrigella** HAWORTH, Lep. Brit., 581, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3582, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. Eur., Me., Cal.
6168. **sexnotella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 88, 1878; HAGEN, Pap., iv, 99, 1884; BUSCK, Jn. N. Y. Ent. Soc., x, 97, 1902. Tex.

HOMALEDRA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 237, 1900.

6169. **heptathalama** BUSCK, Proc. U. S. Nat. Mus., xxiii, 237, 1900. Fla.
6169. 1. **sabalella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 7, 1880. Fla.

ENDROSIS Hübner.

HÜBNER, Verz. bek. Schmett., 401, 1816.

6170. **lacteella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 139, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3051, 1901. Eur., Cal.
- syn. *kennicotella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 165, 1860; Tin. No. Am., 119, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 244, 1875.

LEUCOPHRYNE Chambers.

CHAMBERS, Can. Ent., vii, 210, 1875.

6171. **tricristatella** CHAMBERS, Can. Ent., vii, 211, 1875. Can.

DOUGLASIA Stainton.

STANTON, Ins. Brit., Lep. Tin., 179, 1854.

- *6172. **obsкуроfasciella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 291, 1880. Mass.

AROTURA Walsingham.

WALSINGHAM, Ins. Life, i, 116, 1888.

6173. *eburnea* WALSINGHAM, Ins. Life, i, 117, 1888. Ariz.

APHIGALIA Dyar.

Phigalia CHAMBERS (not DUPONCHEL), Can. Ent., vii, 107, 1875.

- *6174. *albella* CHAMBERS, Can. Ent., vii, 107, 1875. Tex.
 *6175. *ochreomaculella* CHAMBERS, Can. Ent., vii, 107, 1875. Tex.

SCHRECKENSTEINIA Hübner.

HÜBNER, Verz. bek. Schmett., 419, 1816.

6176. *felicella* WALSINGHAM, Pter. Cal. Oreg., 2, 1880. Cal., Oreg.
 6177. *erythriella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 40, 132, 1872; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876. Atl. State
 6178. *festaliella* HÜBNER, Schm. Eur., 449, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3405, 1901; WALSINGHAM, Pter. Cal. Oreg., 1, 1880; Trans. Am. Ent. Soc., x, 197, 1882; DYAR, Psyche, vii, 252, 1895 (as *basilaris*). No. U. S. Eur.

WALSHIA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 418, 1864.

6179. *amorphella* CLEMENS, Proc. Ent. Soc. Phil., ii, 419, 1864; Tin. No. Am., 241, 1872; RILEY, Rep. Ins. Mo., ii, 132, 1869; Proc. Ent. Soc. Wash., i, 30, 1886. Atl. State
 syn. *miscecalonella* CHAMBERS, Can. Ent., vii, 34, 1875; *miscecolorella* CHAMBERS, Can. Ent., vii, 51, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 197, 1882.

BRACHILOMA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1863.

- *6180. *unipunctella* CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1863; Tin. No. Am., 232, 1872. Pa.

EULYONETIA Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 188, 1879.

- *6181. *inornatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 188, 1879. Tex.

CACELICE Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 93, 1902.

6182. **permolestella** BUSCK, Jn. N. Y. Ent. Soc., x, 93, 1902. Ky.

Family TINEIDÆ.

NEPTICULA von Heyden.

VON HEYDEN, Berich. Vers. Naturf. Mainz, 201, 1842.

- *6183. **amelanchierella** CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872; PACKARD, Guide Stud. Ins., 356, 1869. No. Atl. States.
- *6184. **anguinella** CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 1872. Pa.
- *6185. **apicialbella** CHAMBERS, Can. Ent., v, 127, 1873; Cin. Quart. Jn. Sci., ii, 118, 1875. Ky.
- *6186. **badiocapitella** CHAMBERS, Can. Ent., viii, 160, 1876. Ky.
- *6187. **belfrageella** CHAMBERS, Can. Ent., vii, 75, 1875. Tex.
- *6188. **bifasciella** CLEMENS, Proc. Ent. Soc. Phil., i, 133, 1862; Tin. No. Am., 183, 1872; CHAMBERS, Can. Ent., v, 146, 1873. Pa.
- *6189. **castaneæfoliella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 117, 1875; Psyche, iii, 66, 1880; Jn. Cin. Soc. Nat. Hist., ii, 193, 1879. Ky.
- *6190. **caryæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872. Pa.
- *6191. **clemensella** CHAMBERS, Can. Ent., v, 125, 1873. Ky., Pa.
6192. **condaliafoliella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 238, 1900. Fla.
- *6193. **corylifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 173, 1872; PACKARD, Guide Stud. Ins., 356, 1869. Pa.
- *6194. **cratægifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 173, 1872. Pa.
6195. **dallasiana** FREY & BOLL, Stett. ent. Zeit., xxxvii, 228, 1876. Tex.
- *6196. **fuscocapitella** CHAMBERS, Can. Ent., v, 128, 1873. Ky.

- *6197. **fuscotibiella** CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
133, 1861; Tin. No. Am., 182, 1872; CHAMBERS,
Can. Ent., v, 128, 1873; Cin. Quart. Jn. Sci., ii,
114, 1875.
syn. *cilliaefuscella* CHAMBERS, Can. Ent., v,
128, 1873; Cin. Quart. Jn. Sci., ii, 117, 1875;
furcotibiella RILEY, Smith's List Lep. Bor.
Am., 111, 1891.
- *6198. **grandisella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., Tex.
ii, 193, 1879.
- *6199. **juglandifoliella** CLEMENS, Proc. Ent. Soc. Phil., Pa.
i, 84, 1861; Tin. No. Am., 173, 1872; Bull. Geol.
Surv. Terr., iv, 105, 1878.
- *6200. **latifasciella** CHAMBERS, Bull. Geol. Surv. Terr., Ky.
iv, 106, 1878.
- *6201. **maculosella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., Tex.
ii, 193, 1879.
6202. **maximella** CHAMBERS, Can. Ent., v, 126, 1873. Ky.
- *6203. **minimella** CHAMBERS, Can. Ent., v, 127, 1873. Ky.
6204. **myricafoliella** BUSCK, Proc. U. S. Nat. Mus., Fla.
xxiii, 238, 1900.
- *6205. **nigriverticella** CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
118, 1875.
- *6206. **nyssæfoliella** CHAMBERS, Psyche, iii, 66, 1880. Ky.
- *6207. **ochrefasciella** CHAMBERS, Can. Ent., v, 128, 1873. Ky.
- *6208. **ostryæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
83, 1861.
6209. **platanella** CLEMENS, Proc. Ent. Soc. Phil., i, 173, Pa.
183, 1861; v, 146, 1865; CHAMBERS, Can. Ent.,
v, 125, 1873; PACKARD, Guide Stud. Ins., 356,
1869.
- *6210. **platea** CLEMENS, Proc. Ent. Soc. Phil., i, 85, Pa.
1861; Tin. No. Am., 175, 1872.
- *6211. **pomivorella** PACKARD, Am. Nat., vi, 685, 1872; Mass.
Rept. Mass. Agr. Soc., 238, 1870; WALSINGHAM,
Proc. Zool. Soc. Lond., 83, 1880; BUSCK, Can.
Ent., xxxiii, 52, 1901.
- *6212. **populetorum** FREY & BOLL, Stett. ent. Zeit., Tex.
xxxix, 276, 1878.
6213. **prunifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
84, 1861; Tin. No. Am., 174, 1872; CHAMBERS,
Can. Ent., v, 127, 1873.
- *6214. **ptelisælla** CHAMBERS, Psyche, iii, 137, 1880; 276, Ky.
1881.

- *6215. *quercicastanella* CHAMBERS, Can. Ent., v, 127, 1873; x, 105, 1878; xi, 93, 1879; Psyche, iii, 66, 1880. Ky.
- *6216. *quercipulchrella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 105, 1878. Ky.
- *6217. *resplendensella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 118, 1875. Ky.
- *6218. *rosæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 176, 1872. Pa.
- *6219. *rubifoliella* CLEMENS, Proc. Ent. Soc. Phil., v, 146, 1865; Tin. No. Am., 152, 1872. Pa.
6220. *saginella* CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 271, 1872; CHAMBERS, Can. Ent., xi, 93, 1879. Pa.
- *6221. *serotinæella* CHAMBERS, Can. Ent., v, 126, 1873. Ky.
- *6222. *thoracealbella* CHAMBERS, Can. Ent., v, 127, 1873. Ky.
- *6223. *unifasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 119, 1875. Ky.
- *6224. *villosella* CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872. Pa.
- *6225. *virginiella* CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 172, 1872. Pa.

TRIFURCULA Zeller.

ZELLER, Linn. Ent., iii, 330, 1848; *Trifurcella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 165, 1878.

- *6226. *obrutella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 316, 1873. Tex.

OPOSTEGA Zeller.

ZELLER, Isis, 214, 1839.

6227. *accessoriella* FREY & BOLL, Stett. ent. Zeit., xxxvii, 216, 1876. Tex.
- *6228. *albogallierella* CLEMENS, Proc. Ent. Soc. Phil., i, 131, 1862; Tin. No. Am., 180, 1872. Pa.
6229. *bosqueella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 106, 1878. Tex.
6230. *nonstrigella* CHAMBERS. Jn. Cin. Soc. Nat. Hist., iii, 296, 1880. Ky.
- *6231. *quadristrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 1875. Ky.

BUCCULATRIX Zeller.

ZELLER, Linn. Ent., iii, 286, 1848; CLEMENS, Tin. No. Am., 108, 1872.

6232. *albicapitella* CHAMBERS, Can. Ent., vii, 125, 1875. Can.
6233. *ambrosiæfoliella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 119, 1875; Can. Ent., xiv, 153, 1882. Ky.
- *6234. *agnella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 147, 1872. Pa.
- *6235. *angustata* FREY & BOLL, Stett. ent. Zeit., xxxvii, 218, 1876. Tex.
6236. *canadensisella* CHAMBERS, Can. Ent., vii, 146, 1875. Can.
6237. *capitallbella* CHAMBERS, Can. Ent., v, 150, 1873. Ky.
6238. *coronatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 13, 1860; Tin. No. Am., 109, 1872; CHAMBERS, Can. Ent., v, 151, 1873. Pa.
- *6239. *immaculatella* CHAMBERS, Can. Ent., vii, 54, 1875. Tex.
6240. *ivella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 243, 1900. Fla.
- *6241. *litigiosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 354, 1875. Tex.
6242. *luteella* CHAMBERS, Can. Ent., v, 151, 1873; xi, 93, 1879. Ky.
6243. *magnella* CHAMBERS, Can. Ent., vii, 54, 1875. Tex.
- *6244. *niveella* CHAMBERS, Can. Ent., vii, 54, 1875. Tex.
- *6245. *packardella* CHAMBERS, Can. Ent., v, 151, 1873; Cin. Quart. Jn. Sci., ii, 120, 1875. Ky.
6246. *pomifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 146, 1872; CHAMBERS, Can. Ent., v, 150, 1873; RILEY, Rep. Ins. Mo., iv, 149, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 353, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 204, 1882. Atl. States.
- syn. *pomonella* PACKARD, Guide Stud. Ins., 7th ed., 354, 1880; *curvilineatella* PACKARD, Guide Stud. Ins., 354, 1869; CHAMBERS, Can. Ent., iii, 184, 1871.
- *6247. *quinquenotella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 120, 1875. Ky.
- *6248. *rileyi* FREY & BOLL, Stett. ent. Zeit., xxxvii, 219, 1876. Tex.

- *6249. **staintonella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 133, 1878. Col.
 syn. *albella* CHAMBERS (not STAINTON), Bull. Geol. Surv. Terr., iii, 141, 1877.
6250. **thuiella** PACKARD, Am. Nat., v, 152, 1871; RILEY, Rep. Ins. Mo., iv, 51, 1872. Atl. States.
6251. **trifasciella** CLEMENS, Proc. Ent. Soc. Phil., v, 147, 1866; Tin. No. Am., 272, 1872; CHAMBERS, Can. Ent., v, 149, 1873; Cin. Quart. Jn. Sci., ii, 120, 1875. Pa.
 syn. *obscurofasciella* CHAMBERS, Can. Ent., v, 150, 1873.

LITHOCOLLETES Hübner.

HÜBNER, Verz. bek. Schmett., 423, 1816.

- *6252. **hageni** FREY & BOLL, Stett. ent. Zeit., xxxiv, 208, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; Bull. Geol. Surv. Terr., iv, 100, 1878. Mass. ?
 syn. *necospinusella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 100, 1878.
6253. **fitchella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 207, 1860; Tin. No. Am., 139, 1872; CHAMBERS, Can. Ent., iii, 183, 1871; Cin. Quart. Jn. Sci., i, 207, 1874; PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Bull. Geol. Surv. Terr., iii, 139, 1877; Can. Ent., xi, 90, 1879; FREY & BOLL, Stett. ent. Zeit., xxxix, 26, 1878. Pa.
 syn. *quercifoliella* FITCH, Fifth Rept. Ins. N. Y., 327, 1859; *quercitorum* FREY & BOLL, Stett. ent. Zeit., xxxiv, 207, 1873; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 140, 1875; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875; Bull. Geol. Surv. Terr., iii, 139, 141, 1877.
6254. **rileyella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 236, 1875; WALSINGHAM, Ins. Life, ii, 25, 1889. Mo.
 syn. *tenuistrigata* FREY & BOLL, Stett. ent. Zeit., xxxvii, 225, 1876; xxxix, 26, 1878.
6255. **insignis** WALSINGHAM, Ins. Life, ii, 117, 1889. Cal.
6256. **clemensella** CHAMBERS, Can. Ent., xi, 91, 1879; WALSINGHAM, Ins. Life, ii, 25, 1889. Ky.
6257. **lucidicostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 1859; Tin. No. Am., 39, 64, 66, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 102, 1875; Can. Ent., iii, 57, 1871. Pa.
 syn. *ludicostella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.

6258. **argentifimbriella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 321, 1859; Tin. No. Am., 39, 64, 70, 1872; CHAMBERS, Can. Ent., iii, 57, 85, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 209, 1873; WALSINGHAM, Ins. Life, iii, 325, 1891. Pa.
- syn. *fuscocostella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 102, 1875; WALSINGHAM, Ins. Life, ii, 25, 1889.
6259. **quercialbella** FITCH, Rep. Ins. N. Y., v, 328, 1859; CHAMBERS, Can. Ent., iii, 57, 1871; WALSINGHAM, Ins. Life, ii, 25, 1890; iii, 325, 1891. Atl. States.
- syn. *longirostrata* FREY & BOLL, Stett. ent. Zeit., xxxiv, 209, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 229, 1875; WALSINGHAM, Ins. Life, ii, 25, 1891; *quercibella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 202, 1875; WALSINGHAM, Ins. Life, ii, 77, 1889; *quercipulchella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 120, 1878; PACKARD, Bull. Ent. Comm., vii, 53, 1881; WALSINGHAM, Ins. Life, ii, 77, 1889; *quercipulchrella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.
- *6260. **subaureola** FREY & BOLL, Stett. ent. Zeit., xxxix, 262, 1878; WALSINGHAM, Ins. Life, ii, 25, 1889; iii, 325, 1891. Tex.
- *6261. **caryæalbella** CHAMBERS, Can. Ent., iii, 58, 85, 182, 206, 1871. Ky.
- syn. *caryalbella* WALSINGHAM, Ins. Life, iii, 328, 1891.
6262. **lucetiella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 319, 322, 1859; Tin. No. Am., 65, 73, 1872; CHAMBERS, Can. Ent., iii, 56, 1871; WALSINGHAM, Ins. Life, ii, 52, 1889. Pa.
- syn. *æniigmatella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 219, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874.
- *6263. **albanotella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 191, 1875. Ky.
6264. **alniella** ZELLER, Linn. Ent., i, 229, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4118, 1901; FREY & BOLL, Stett. ent. Zeit., xxxiv, 210, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875. Eur., U. S.?

6265. **ostensackenella** FITCH, Rept. Ins. N. Y., v, 338, 1859; CHAMBERS, Can. Ent., iii, 183, 1871. N. Y.
 syn. *ornatella* CHAMBERS, Can. Ent., iii, 161, 1871; iv, 107, 1872; xi, 91, 1879; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 347, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 217, 1873; WALSINGHAM, Ins. Life, ii, 53, 1889.
6266. **gemmea** FREY & BOLL, Stett. ent. Zeit., xxxiv, 218, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 339, 1874; ii, 227, 1875; WALSINGHAM, Ins. Life, ii, 53, 1889. Mass.
6267. **robiniella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 1859; 209, 1860; Tin. No. Am., 66, 1872; CHAMBERS, Can. Ent., iii, 54, 87, 163, 183, 185, 1871; iv, 9, 117, 1872; Cin. Quart. Jn. Sci., ii, 228, 1875; Bull. Geol. Surv. Terr., iii, 137, 1877; Jn. Cin. Soc. Nat. Hist., ii, 91, 1879; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 348, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878. Atl. States.
 syn. *pseudacaciella* FITCH, Rept. Ins. N. Y., v, 335, 1859.
- *6268. **uhlerella** FITCH, Rept. Ins. N. Y., v, 337, 1859; WALSINGHAM, Ins. Life, ii, 53, 1889. Atl. States.
 syn. *amorphæella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 132, 137, 1877; *amorphæ* FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878.
6269. **morrisella** FITCH, Rept. Ins. N. Y., v, 336, 1859; WALSINGHAM, Ins. Life, ii, 52, 1889. Atl. States.
 syn. *texanella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 349, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878; *amphicarpæella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 137, 1877.
6270. **blancardella** FABRICIUS, Syst. Ent., iii, 327, 1775; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4144, 1901. Atl. States, Eur.
 syn. *pomifoliella* ZELLER, Isis, 218, 1839; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882; *mespilella* HAWORTH, *cratægella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; *deceptusella* CHAMBERS, Can. Ent., xi, 73, 1879.
6271. **faginella** ZELLER, Linn. Ent., i, 204, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4149, 1901; WALSINGHAM, Ins. Life, iii, 327, 1891. Eur., U. S.
 syn. *triguttella* STAINTON.

6298. **solidaginis** FREY & BOLL, Stett. ent. Zeit., xxxvii, 223, 1876. Tex.
 syn. *solidaginisella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 12, 1880.
6299. **grindeliella** WALSINGHAM, Ins. Life, iii, 327, 1891. Cal.
- *6300. **chambersella** WALSINGHAM, Ins. Life, ii, 78, 1889. Tex.
 syn. *quinquenotella* CHAMBERS (not FREY), Jn. Cin. Soc. Nat. Hist., ii, 189, 1879.
6301. **basistrigella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 321, 1859; Tin. No. Am., 39, 65, 69, 1872; CHAMBERS, Can. Ent., iii, 48, 166, 182, 1871; Cin. Quart. Jn. Sci., i, 205, 1874; WALSINGHAM, Ins. Life, ii, 25, 1889. Atl. States.
 syn. *intermedia* FREY & BOLL, Stett. ent. Zeit., xxxiv, 210, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 230, 1875.
- *6302. **auronitens** FREY & BOLL, Stett. ent. Zeit., xxxiv, 216, 1873. Mass.
6303. **desmodiella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 220, 1859; Tin. No. Am., 65, 68, 1872; CHAMBERS, Can. Ent., iii, 127, 152, 1871; Jn. Cin. Soc. Nat. Hist., ii, 189, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882. Atl. States.
 syn. *gregariella* MURTFELDT, Can. Ent., xiii, 245, 1881; xv, 139, 1883; WALSINGHAM, Proc. Zool. Soc. Lond., 146, 1897.
6304. **toxicodendri** FREY & BOLL, Stett. ent. Zeit., xxxix, 273, 1878. Tex.
6305. **aceriella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 325, 1859; Tin. No. Am., 65, 75, 1872; CHAMBERS, Can. Ent., iii, 130, 1871. Pa.
6306. **guttifinitella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 65, 76, 1872; CHAMBERS, Can. Ent., iii, 110, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; Bull. Geol. Surv. Terr., iv, 102, 1878; Jn. Cin. Soc. Nat. Hist., ii, 82, 1879. Atl. States.
 syn. *æsculisella* CHAMBERS, Can. Ent., iii, 112, 1871; WALSINGHAM, Ins. Life, ii, 52, 1889; *æsculella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.
- *6307. **obstrictella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 322, 1859; Tin. No. Am., 64, 73, 1872; CHAMBERS, Can. Ent., iii, 83, 1871; Bull. Geol. Surv. Terr., iv, 102, 1878. Pa.

6308. **corylisella** CHAMBERS, Can. Ent., iii, 111, 127, 1871. Wis., Ky.
 syn. *coryliella* CHAMBERS, Can. Ent., xi, 90, 1879.
- *6309. **oregonensis** WALSINGHAM, Ins. Life, ii, 117, 1889. Oreg.
6310. **tilieacella** CHAMBERS, Can. Ent., iii, 56, 1871. Ky.
 syn. *tiliæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 203, 1875; *tiliella* WALSINGHAM, Ins. Life, iii, 328, 1891.
- *6311. **symphoricarpella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 98, 1875. Ky.
- *6312. **bolliella** DYAR. Tex.
 syn. *symphoricarpella* FREY & BOLL (not CHAMBERS), Stett. ent. Zeit., xxxix, 271, 1878.
- *6313. **fragilella** FREY & BOLL, Stett. ent. Zeit., xxxix, 270, 1878; WALSINGHAM, Ins. Life, ii, 51, 1889. Tex.
 syn. *trifasciella* FREY & BOLL (not HAWORTH), Stett. ent. Zeit., xxxiv, 215, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 205, 1874; WALSINGHAM, Ins. Life, iii, 326, 1891.
- *6314. **affinis** FREY & BOLL, Stett. ent. Zeit., xxxvii, 222, 1876; xxxix, 270, 1878; WALSINGHAM, Ins. Life, ii, 51, 1889. Tex.
6315. **marisæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 99, 1875; Can. Ent., xi, 92, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 201, 1882. Mo.
 syn. *mariella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.
- *6316. **tritæniella** CHAMBERS, Can. Ent., iii, 110, 184, 1871; v, 48, 1873; xi, 89, 1879; WALSINGHAM, Ins. Life, ii, 53, 1889. Atl. States.
 syn. *consimilella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 217, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 230, 1875; WALSINGHAM, Ins. Life, ii, 51, 1889.
- *6317. **fasciella** WALSINGHAM, Ins. Life, iii, 326, 1891. Ky.
 syn. *unifasciella* CHAMBERS (not TENGSTROM), Cin. Quart. Jn. Sci., ii, 103, 1875.
- *6318. **castaneæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 104, 1875. Ky.
 syn. *castanella* WALSINGHAM, Ins. Life, iii, 329, 1891.
- *6319. **bostonica** FREY & BOLL, Stett. ent. Zeit., xxxiv, 216, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874; ii, 230, 1875. Mass.

- *6320. **ignota** FREY & BOLL, Stett. ent. Zeit., xxxiv, 215, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874; ii, 230, 1875. Atl. States.
 syn. *helianthisella* CHAMBERS, Cin. Quart. Jn. Sci., i, 205, 1874; *helianthivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 100, 1875.
6321. **ambrosiella** CHAMBERS, Can. Ent., iii, 127, 1871; Cin. Quart. Jn. Sci., ii, 100, 1875; FREY & BOLL, Stett. ent. Zeit., xxxvii, 221, 1876; xxxix, 267, 1878; WALSINGHAM, Ins. Life, ii, 54, 1889. Ky.
- *6322. **elephantopodella** FREY & BOLL, Stett. ent. Zeit., xxxix, 268, 1878. Tex.
6323. **verbesinella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 247, 1900. Fla.
- *6324. **actinomeridis** FREY & BOLL, Stett. ent. Zeit., xxxix, 268, 1878. Tex.
- *6325. **eppelsheimii** FREY & BOLL, Stett. ent. Zeit., xxxix, 272, 1878. Tex.
6326. **bethuniella** CHAMBERS, Can. Ent., iii, 109, 1871; Cin. Quart. Jn. Sci., ii, 103, 1875; Can. Ent., xi, 89, 1879. Ky.
- *6327. **lebertella** FREY & BOLL, Stett. ent. Zeit., xxxix, 266, 1878. Tex.
- *6328. **betulivora** WALSINGHAM, Ins. Life, iii, 326, 1891. Atl. States.
- *6329. **bifasciella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 101, 1878. Ky.
- *6330. **tubiferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 208, 1860; Tin. No. Am., 140, 1872; CHAMBERS, Can. Ent., iii, 165, 183, 1871; WALSINGHAM, Ins. Life, ii, 24, 77, 1889; iii, 329, 1891. Pa.
6331. **populiella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 101, 1878. Ohio, Ky.
6332. **atomariella** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 350, 1875; WALSINGHAM, Ins. Life, ii, 54, 1889. Mass.
6333. **salicifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 81, 1861; Tin. No. Am., 169, 1872; PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Can. Ent., iii, 163, 185, 1871; Cin. Quart. Jn. Sci., ii, 302, 1875; Bull. Geol. Surv. Terr., iii, 139, 1877; WALSINGHAM, Ins. Life, ii, 54, 1889. Atl. States.

6334. **hamadryella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 65, 77, 1872; CHAMBERS, Can. Ent., iii, 55, 164, 182, 1871; Cin. Quart. Jn. Sci., ii, 201, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 62, 1878. Atl. States.
- syn. *alternatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 351, 1875; *alternata* CHAMBERS, Bull. Geol. Surv. Terr., iv, 153, 1878.
- *6335. **ostryarella** CHAMBERS, Can. Ent., iii, 111, 1871. Ky.
- *6336. **lysimachiæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 100, 1875; WALSINGHAM, Ins. Life, ii, 77, 1889. Ky.?

BEDELLIA Stainton.

STANTON, Cat. Brit. Tin., 226, 1849.

6337. **somnulentella** ZELLER, Isis, 849, 1847; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4107, 1901; CHAMBERS, Bull. Geol. Surv. Terr., iv, 131, 1878. Atl. States, Eur.
- syn. *staintonella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Proc. Ent. Soc. Phil., i, 147, 1862; *convolvulella* FABRICIUS, *somnulatella* RILEY, Smith's List Lep. Bor. Am., 108, 1891.
6338. **minor** BUSCK, Proc. U. S. Nat. Mus., xxiii, 243, 1900. Fla.

CHILOCAMPYLA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 248, 1900.

6339. **dyariella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 249, 1900. Fla.

EUCOSMOPHORA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 148, 1897.

6340. **sideroxyloniella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 250, 1900. Fla.

GRACILARIA Haworth.

HAWORTH, Lep. Brit., 527, 1829; *Parectopa* CLEMENS, Tin. No. Am., 144, 1872.

6341. **aceriella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 295, 1880. Mass.
6342. **acerifoliella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 299, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. Col.
6343. **alnicolella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 299, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. Col.

6344. **alnivorella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 298, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877; Can. Ent., ix, 15, 1877. Col.
6345. **astericola** FREY & BOLL, Stett. ent. Zeit., xxxiv, 204, 1873; CHAMBERS, Cin. Quart. Jn. Sc., ii, 200, 1875. Mass.
6346. **atomosella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 309, 1873. Tex.
- *6347. **behrensella** CHAMBERS, Can. Ent., viii, 32, 1876. Cal.
6348. **belfrageella** CHAMBERS, Can. Ent., vii, 92, 1875. Tex.
6349. **blandella** CLEMENS, Proc. Ent. Soc. Phil., iii, 505, 1864; Tin. No. Am., 257, 1872; CHAMBERS, Can. Ent., v, 13, 47, 1873. Pa.
- *6350. **bosquella** CHAMBERS, Can. Ent., viii, 33, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877. Tex.
6351. **coroniella** CLEMENS, Proc. Ent. Soc. Phil., ii, 421, 1864; v, 145, 1866; Tin. No. Am., 243, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 192, 1882. Pa.
6352. **violacella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 93, 1872; CHAMBERS, Can. Ent., iv, 26, 1872; v, 46, 1873; Cin. Quart. Jn. Sci., i, 208, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 108, 1873. Atl. States.
- syn. *desmodifoliella* CLEMENS, Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 268, 1872; FREY & BOLL, Stett. ent. Zeit., xxxvii, 212, 1876.
6353. **plantaginisella** CHAMBERS, Can. Ent., iv, 10, 1872; v, 46, 1873. Ky.
- syn. *geiella* CHAMBERS, Cin. Quart. Jn. Sci., i, 200, 1874; *erigeronella* CHAMBERS, Can. Ent., ix, 127, 1877; Bull. Geol. Surv. Terr., iv, 148, 1878.
6354. **elongella** LINNÆUS, Faun. Suec., no. 1436, 1761; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4056, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 193, 1882. Pac. States, Eur.
- syn. *signipennella* HÜBNER, *roscipennella* TREITSCHKE, *inconstans* STANTON, *straminella* STANTON, *olongella* RILEY, Smith's List Lep. Bor. Am., 105, 1891.
6355. **falconipennella** HÜBNER, Schm. Eur., 317, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4050, 1901; ZELLER, Linn. Ent., ii, 323, 1846; Verh. zool.-bot. Ges. Wien, xxiii, 307, 1873. Eur., Tex.

6356. **fasciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 98, 1875; Can. Ent., vii, 93, 1875; ix, 123, 194, 1877; xi, 118, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 201, 1882. Ky.
- syn. *quinquenotella* CHAMBERS, Can. Ent., ix, 126, 194, 1877.
- *6357. **fulgidella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 6, 1860; Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 92, 1872. Pa.
6358. **fuscoochrella** BEUTENMÜLLER, Ent. Am., v, 10, 1889. Cal.
6359. **juglandiella** CHAMBERS, Can. Ent., iv, 28, 88, 1872; v, 15, 47, 1873. Ky.
- syn. *juglandisnigrælla* CHAMBERS, Bull. Geol. Surv. Terr., iv, 149, 1878.
6360. **negundella** CHAMBERS, Can. Ent., viii, 18, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877; Psyche, iii, 66, 1880. Col.
6361. **nigristrigella** BEUTENMÜLLER, Ent. Am., iv, 30, 1888. Cal.
- syn. *ruptostrigella* BEUTENMÜLLER, Ent. Am., iv, 30, 1888.
6362. **stigmatella** FABRICIUS, Sp. Ins., ii, 295, 34, 1781; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4044, 1901; CHAMBERS, Can. Ent., xi, 74, 119, 1879; xii, 24, 1880. Atl. States, Eur.
- syn. *upupæpennella* HÜBNER, *ochracea* HAWORTH, *purpuriella* CHAMBERS, Can. Ent., iv, 27, 1872; v, 46, 1873; ix, 126, 194, 1877.
6363. **rhoifoliella** CHAMBERS, Can. Ent., viii, 31, 1876. Atl. States.
6364. **lespedezæfoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 210, 1860; Tin. No. Am., 144, 1872; CHAMBERS, Can. Ent., iv, 7, 1872; v, 47, 1873; viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877. Atl. States.
- syn. *robiniella* CLEMENS, Proc. Ent. Soc. Phil., ii, 4, 1863; Tin. No. Am., 207, 1872; CHAMBERS, Can. Ent., iii, 87, 1871; iv, 7, 1872; v, 47, 1873; viii, 33, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 193, 1882; *mirabilis* FREY & BOLL, Stett. ent. Zeit., xxxiv, 203, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 227, 1875.
6365. **salicifoliella** CHAMBERS, Can. Ent., iv, 25, 1872; v, 15, 46, 186, 1873; Cin. Quart. Jn. Sci., i, 340, 1874. Ky.
6366. **sauzalitoella** CHAMBERS, Can. Ent., viii, 32, 1876. Cal.

CORISCIUM Zeller.

ZELLER, Isis, 210, 1839.

6396. **albinatella** CHAMBERS, Can. Ent., iv, 25, 1872. Ky.
 syn. *albanotella* CHAMBERS, Can. Ent., ix, 123,
 1877; Cin. Quart. Jn. Sci., i, 200, 1874;
 Bull. Geol. Surv. Terr., iii, 132, 1877.
6397. **paradoxum** FREY & BOLL, Stett. ent. Zeit., Atl.
 xxxiv, 205, 1873; xxxvii, 212, 1876; CHAMBERS, States.
 Cin. Quart. Jn. Sci., i, 200, 1874.
6398. **quiquestrigella** CHAMBERS, Can. Ent., vii, 75, Tex.
 1875; ix, 14, 124, 1877; x, 109, 1878.
6399. **randiella** BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
 247, 1900.
6400. **rhombiferellum** FREY & BOLL, Stett. ent. Zeit., Tex.
 xxxvii, 212, 1876.
6401. **cuculipenellum** HÜBNER, Ges. eur. Schmett., Eur.,
 viii, Tin., vi, Al. B, f. 2, 1831; STAUDINGER & N. Y.
 REBEL, Cat. Lep. Eur., ii, no. 4083, 1901; FER-
 NALD, Can. Ent., xxv, 96, 1893.
 syn. *cinerea* HAWORTH, *alautella* DUPONCHEL.

LEUCANTHIZA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859.

6402. **amphicarpeæfoliella** CLEMENS, Proc. Acad. Nat. No. Atl.
 Sci. Phil., 327, 1859; Tin. No. Am., 85, 87, 1872; States.
 CHAMBERS, Can. Ent., iii, 162, 1871.
 syn. *saundersella* CHAMBERS, Can. Ent., iii, 205,
 1871; xi, 93, 1879.

MARMARA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863.

- *6403. **salictella** CLEMENS, Proc. Ent. Soc. Phil., ii, 7, Atl.
 1863; Tin. No. Am., 212, 1872. States.
 syn. *salicella* CHAMBERS, Bull. Geol. Surv.
 Terr., iv, 156, 1878.
6404. **guilandinæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
 234, 1900.

LEUCOPTERA Hübner.

HÜBNER, Verz. bek. Schmett., 426, 1816; WALSHINGHAM, Proc. Zool. Soc. Lond.,
 272, 1897; *Cemiosoma* ZELLER, Linn. Ent., iii, 272, 1848.

6405. **erythrinella** BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
 239, 1900.
6406. **guettardella** BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
 239, 1900.

PROLEUCOPTERA Busck.

Busck, Jn. N. Y. Ent. Soc., x, 98, 1902.

6407. **albella** CHAMBERS, Can. Ent., iii, 23, 209, 1871; Ky., Col.
DYAR, Proc. U. S. Nat. Mus., xxv, 410, 1902.

6408. **smilaciella** BUSCK, Jn. N. Y. Ent. Soc., viii, 244, Pa.,
1901. D. C.

PHILONOME Chambers.

CHAMBERS, Can. Ent., vi, 96, 1874.

*6409. **clemensella** CHAMBERS, Can. Ent., vi, 97, 1874; Ky.
viii, 136, 1876; ix, 13, 1877; x, 238, 1878.

BUSCKIA Dyar.

Eurynome CHAMBERS (not LEACH), Cin. Quart. Jn. Sci., ii, 304, 1875; Bull. Geol.
Surv. Terr., iii, 140, 1877; Jn. Cin. Soc. Nat. Hist., ii, 196, 1879.

*6410. **albella** CHAMBERS, Bull. Geol. Surv. Terr., iii, Col.
140, 1877.

*6411. **luteella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 304, Col.
1875; Bull. Geol. Surv. Terr., iii, 140, 1877.

CACONOME Dyar.

Acanthocnemes CHAMBERS (not *Acanthocnemis* HAWLE & CORDA), Bull. Geol. Surv.
Terr., iv, 104, 1878.

*6412. **fuscoseapulella** CHAMBERS, Bull. Geol. Surv. Tex.
Terr., iv, 104, 1878.

LYONETIA Hübner.

HÜBNER, Verz. bek. Schmett., 423, 1816; CLEMENS, Tin. No. Am., 183, 1872.

*6413. **alniella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 303, Col.
1875; Bull. Geol. Surv. Terr., iii, 140, 1877.

*6414. **apicistrigella** CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
105, 1875.

*6415. **gracilella** CHAMBERS, Can. Ent., viii, 34, 1876. Ky.

*6416. **latistrigella** WALSINGHAM, Trans. Am. Ent. Soc., Atl.
x, 203, 1882. States.

*6417. **nidificansella** PACKARD, Guide Stud. Ins., 354, Atl.
1869; CHAMBERS, Can. Ent., xi, 75, 1879. States.

*6418. **speculella** CLEMENS, Proc. Ent. Soc. Phil., i, 134, Pa.
1861; Tin. No. Am., 184, 1872.

PHYLLOCNISTIS Zeller.

ZELLER, Linn. Ent., iii, 264, 1848.

6419. **ampelopsiella** CHAMBERS, Can. Ent., iii, 207, 1871; Ky.
Cin. Quart. Jn. Sci., ii, 107, 304, 1875; Jn. Cin.
Soc. Nat. Hist., ii, 13, 1880; Bull. Geol. Surv.
Terr., iii, 140, 1877.

6420. **populiella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 303, 1875; Can. Ent., viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 140, 147, 1877. Ky.
6421. **vitifoliella** CHAMBERS, Can. Ent., iii, 206, 1871; vi, 169, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 26, 1878; CHAMBERS, Psyche, iii, 67, 1880. Ky., Wis.
6422. **vitigenella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859; Tin. No. Am., 22, 39, 83, 1872; CHAMBERS, Can. Ent., iii, 206, 1871; vi, 169, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 314, 1873; CHAMBERS, Psyche, iii, 67, 1880. Pa., Mass.
- *6423. **liriodendrella** CLEMENS, Proc. Ent. Soc. Phil., ii, 13, 1863; Tin. No. Am., 220, 1872; CHAMBERS, Can. Ent., iii, 185, 206, 1871. Pa.
- *6424. **magnoliella** CHAMBERS, Psyche, iii, 67, 1880. Ky.
- *6425. **liquidambarisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 1875. Ky.
- *6426. **similiacicella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 107, 1875. Ky.
6427. **intermediella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 253, 1900. Fla.
6428. **erechtiisella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 104, 1878. Ky., Tex.
syn. *insignis* FREY & BOLL, Stett. ent. Zeit., xxxvii, 217, 1876.
- *6429. **magnatella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 315, 1873. Mass.

METRIOCHROA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 244, 1900.

6430. **psychotriatella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 245, 1900. Fla.

TISCHERIA Zeller.

ZELLER, Isis, 219, 1839.

- *6431. **sulphurea** FREY & BOLL, Stett. ent. Zeit., xxxix, 256, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890; iii, 387, 1891. Tex.
6432. **clemensella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878; WALSINGHAM, Ins. Life, ii, 323, 1890; iii, 388, 1891. Tex.
syn. *bicolor* FREY & BOLL, Stett. ent. Zeit., xxxix, 255, 1878.

- *6433. **concolor** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 352, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 255, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. Tex.
- *6434. **castanæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; WALSINGHAM, Ins. Life, iii, 388, 1891. Ky.
syn. *castanella* WALSINGHAM, Ins. Life, iii, 389, 1891.
- *6435. **citrinipennella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 39, 80, 82, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; WALSINGHAM, Ins. Life, ii, 323, 1889. Atl. States.
syn. *quercitella* CLEMENS, Proc. Ent. Soc. Phil., ii, 13, 1863; CHAMBERS, Can. Ent., iii, 208, 1871; FREY & BOLL, Stett. ent. Zeit., xxxiv, 221, 1873; xxxix, 254, 1878; CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 146, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878; Psyche, iii, 68, 1880; WALSINGHAM, Ins. Life, ii, 324, 1890; *quercivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 109, 1877; Bull. Geol. Surv. Terr., iv, 97, 1878.
6436. **badiiella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 109, 111, 1875; WALSINGHAM, Ins. Life, iii, 387, 1891. Ky.
syn. *bodicella* CHAMBERS, Can. Ent., vii, 124, 1875.
- *6437. **fuscomarginella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 110, 1875; WALSINGHAM, Ins. Life, ii, 324, 1890; iii, 388, 1891. Ky.
6438. **tinctoriella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 108, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882; Ins. Life, ii, 324, 1890; iii, 386, 1891. Ky.
- *6439. **helianthi** FREY & BOLL, Stett. ent. Zeit., xxxix, 258, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. Tex.
6440. **solidaginifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 326, 1859; Tin. No. Am., 180, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. Pa.
- *6441. **purinosella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 110, 1875. Ky.
syn. *pruinosa* CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878; FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890.

- *6442. *pulvella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878. Tex.
- *6443. *heteroteræ* FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878. Tex.
6444. *heliopsisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 113, 1875; WALSINGHAM, Proc. Ent. Soc. Lond., 145, 1897; Ins. Life, ii, 325, 1890. Ky., Tex.
syn. *nolckenii* FREY & BOLL, Stett. ent. Zeit., xxxvii, 220, 1876; xxxix, 257, 1878.
- *6445. *longeciliata* FREY & BOLL, Stett. ent. Zeit., xxxix, 259, 1878. Tex.
6446. *ambrosiæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 112, 1875; WALSINGHAM, Ins. Life, ii, 325, 1890. Ky.
6447. *ceanothi* WALSINGHAM, Ins. Life, ii, 325, 1890. Cal.
6448. *malifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 208, 1860; Tin. No. Am., 141, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; v, 50, 1873; vi, 150, 1874; FREY & BOLL, Stett. ent. Zeit., xxxiv, 222, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 254, 1878; WALSINGHAM, Ins. Life, ii, 326, 1890; CHAMBERS, Psyche, iii, 68, 1880. Atl. States.
6449. *ænea* FREY & BOLL, Stett. ent. Zeit., xxxiv, 222, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 210, 1874; Bull. Geol. Surv. Terr., iv, 99, 1878; FREY & BOLL, Stett. ent. Zeit., xxxvii, 220, 1876; xxxix, 254, 1878; WALSINGHAM, Ins. Life, ii, 326, 1890. Atl. States.
- *6450. *roseticola* FREY & BOLL, Stett. ent. Zeit., xxxiv, 223, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 210, 1874; ii, 112, 1875; WALSINGHAM, Ins. Life, ii, 326, 1890. Atl. States.

COPTOTRICHE Walsingham.

WALSINGHAM, Ins. Life, ii, 322, 1890.

6451. *zelleriella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 326, 1859; Tin. No. Am., 81, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; Cin. Quart. Jn. Sci., ii, 109, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 147, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iv, 98, 1878; WALSINGHAM, Ins. Life, iii, 387, 1891. Atl. States.
syn. *complanoides* FREY & BOLL, Stett. ent. Zeit., xxxiv, 220, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878; *zellerella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 220, 1873; *latipennella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878.

PODIASA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 240, 1900.

6452. *chiococcella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 240, 1900.

Fla.

ARGYRESTHIA Hübner.

HÜBNER, Verz. bek. Schmett., 422, 1816.

6453. *abdominalis* ZELLER, Linn. Ent., ii, 270, 1847; Verh. zool.-bot. Ges. Wien, xxiii, 306, 1873.

Tex.

- *6454. *altissimella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 130, 147, 1877.

Col.

6455. *andereggiella* DUPONCHEL, Hist. Nat., xi, 305, 9, 1838; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2423, 1901; CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 39, 93, 1872; CHAMBERS, Can. Ent., vi, 10, 1874; vii, 145, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 304, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iii, 131, 141, 1877.

Atl. States,
Eur.

syn. *oreasella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860.

- *6456. *apicimaculella* CHAMBERS, Can. Ent., vi, 11, 1874.
syn. *visaliella* CHAMBERS, Can. Ent., vi, 145, 1874.

Ky.

6457. *austerella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 305, 1873.

Tex.

syn. *undulatella* CHAMBERS, Can. Ent., vi, 10, 1874; vii, 145, 1875; ix, 72, 1877.

6458. *goedertella* LINNÆUS, Syst. Nat., 541, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2420, 1901; CHAMBERS, Can. Ent., vii, 144, 1875; viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 131, 141, 147, 1877.

Col.,
Eur.

syn. *gædastella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 294, 1875.

6459. *mendica* HAWORTH, Lep. Brit., 517, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2397, 1901; WALSINGHAM, Ins. Life, iii, 118, 1891.

Eur.,
U. S.?

- *6460. *belangerella* CHAMBERS, Can. Ent., vii, 145, 1875.

Can.

- *6461. *cupressella* WALSINGHAM, Ins. Life, iii, 118, 1890.

Cal.

- *6462. *freyella* WALSINGHAM, Ins. Life, iii, 119, 1890.

Tex.

- *6463. *deletella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 305, 1873.

Tex.

- *6464. *montella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 130, 1877. Col.
- *6465. *plicipunctella* WALSINGHAM, Ins. Life, iii, 119, 1890; 386, 1891. (Unknown.)
- *6466. *pedmontella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 131, 1877. Col.
6467. *pygmæella* HÜBNER, Schm. Eur., 353, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2419, 1901. Eur.
- *6468. *quadristrigella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 304, 1873; FREY & BOLL, Stett. ent. Zeit., xxxvii, 209, 1876. Tex.
- *6469. *quercicolella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 130, 1877. Col.
- *6470. *subreticulata* WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882. Atl. States. ?

ACROLEPIA Curtis.

CURTIS, Brit. Ent., xv, 1838; *Argiope* CHAMBERS, Can. Ent., v, 13, 1873.

- *6471. *incertella* CHAMBERS, Can. Ent., iv, 43, 1872. Ky.
syn. *dorsimaculella* CHAMBERS, Can. Ent., v, 13, 174, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 172, 1882.

EUCATAGMA Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 247, 1901.

6472. *amyrisella* BUSCK, Jn. N. Y. Ent. Soc., viii, 247, 1901. Fla.

SCARDIA Treitschke.

TREITSCHKE, Schm. Eur., viii, 291, 1830; *Fernaldia* GROTE, Bull. Geol. Surv. Terr., vi, 274, 1882.

- *6473. *tessulatella* ZELLER, Stett. ent. Zeit., vii, 182, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4521, 1901. Eur.
syn. *tessalutella* RILEY, Smith's List Lep. Bor. Am., 95, 190, 1891.
6474. *anatomella* GROTE, Bull. Geol. Surv. Terr., vi, 274, 1882; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882. N. Y.

EUPLOCAMUS Latreille.

LATREILLE, Gen. Crust. Ins., iv, 223, 1796.

- *6475. *fuscofasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 257, 1875. Ky.

XYLESTIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 256, 1859; WALSINGHAM, Proc. Zool. Soc. Lond., 166, 1897.

6476. *pruniramiella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 39, 54, 59, 1872. Atl. States.
 syn. *congeminatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 218, 1873; *clemensella* CHAMBERS, Can. Ent., v, 174, 1873; ix, 208, 1877.

INCURVARIA Haworth.

HAWORTH, Lep. Brit., 559, 1829.

6477. *acerifoliella* FITCH, Rep. Ins. N. Y., i, 269, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 90, 1872; WALSINGHAM, Ins. Life, i, 147, 1888. Atl. States.
 syn. *iridella* CHAMBERS, Can. Ent., v, 86, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 172, 1882.
6478. *ænescens* WALSINGHAM, Ins. Life, i, 147, 1888. Oreg.
6479. *humilis* WALSINGHAM, Ins. Life, i, 146, 1888. Cal.
- *6480. *labradoriella* CLEMENS, Proc. Ent. Soc. Phil., ii, 416, 1864; Tin. No. Am., 238, 1872; WALSINGHAM, Ins. Life, i, 147, 1888. Lab.
- *6481. *mediostriatella* CLEMENS, Proc. Ent. Soc. Phil., v, 147, 1866; Tin. No. Am., 273, 1872. Atl. States.
 syn. *flavistrigella* WALSINGHAM, Trans. Am. Ent. Soc., x, 189, 1882; Ins. Life, i, 147, 1888; *auristrigella* CHAMBERS, Can. Ent., v, 86, 1873; ix, 207, 1877.
6482. *politella* WALSINGHAM, Ins. Life, i, 146, 1888. Oreg.
6483. *punctiferella* WALSINGHAM, Ins. Life, i, 145, 1888. Oreg., Cal.
- *6484. *russatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 89, 1872. Atl. States.
 syn. *tripunctella* WALSINGHAM, Proc. Zool. Soc. Lond., 92, 1880; Trans. Am. Ent. Soc., x, 172, 1882.
6485. *solenobiella* WALSINGHAM, Proc. Zool. Soc. Lond., 82, 1880; Ins. Life, i, 146, 1888. Cal.
- *6486. *oregonella* WALSINGHAM, Proc. Zool. Soc. Lond., 91, 1880; Trans. Am. Ent. Soc., x, 172, 1882. Oreg.

TINEOLA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Syst. Bearb. Schmett. Eur., v, 23, 1853.

6487. *bisselliella* HUMMEL, Ess. Ent., iii, 13, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4624, 1901; PACKARD, Am. Nat., i, 423, 1867; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873; FERNALD, Can. Ent., xiv, 169, 1882; WALSINGHAM, Trans. Am. Ent. Soc., x, 82, 171, 1882. Eur.,
U. S.
- syn. *crinella* TREITSCHKE, *destructor* STEPHENS, *biselliella* ZELLER, Linn. Ent., vi, 166, 1852; *lanariella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 251, 258, 1859.

MONOPIS Hübner.

HÜBNER, Verz. bek. Schmett., 401, 1816.

6488. *ferruginella* HÜBNER, Schm. Eur., 348, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4533, 1901. Atl. States,
Eur.
- syn. *crociapitella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882.
6489. *rusticella* HÜBNER, Schm. Eur., 339, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4537, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873. Eur.,
U. S.
- syn. *vestianella* STEPHENS; RILEY, Am. Ent. & Bot., ii, 90, 1870; Rep. Ins. Mo., iii, 10, 1870.
6490. *monachella* HÜBNER, Schm. Eur., 143, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4536, 1901. Eur.,
Can.

TINEA Linnæus.

LINNÆUS, Syst. Nat., 534, 1758.

6491. *acapnopennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 233, 1872. Atl.
States.
- syn. *auropulvella* CHAMBERS, Can. Ent., v, 90, 1873; vii, 125, 1875; viii, 19, 1876; *acapuspenella* RILEY, Smith's List Lep. Bor. Am., 95, 1891.
- *6492. *apimaculella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 257, 1875. Ky.
- *6493. *aurosuffusella* CHAMBERS, Can. Ent., v, 87, 1873. Ky.
- *6494. *behrensella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 249, 1875. Cal.

- *6495. *biflavimaculella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 50, 237, 1872; Proc. Ent. Soc. Phil., ii, 413, 1864; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882.
syn. *insignisella* WALKER, Cat. Brit. Mus., xxviii, 471, 1863. Atl. States.
6496. *bimaculella* CHAMBERS, Can. Ent., v, 87, 1873. Ky.
- *6497. *carnariella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 256, 1859; Tin. No. Am., 51, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 166, 1878. Pa.
- *6498. *costosignella* CLEMENS, Proc. Ent. Soc. Phil., ii, 128, 1863; Tin. No. Am., 235, 1872. Pa.
- *6499. *costostrigella* CHAMBERS, Can. Ent., v, 87, 1873. Ky.
- *6500. *croceoverticella* CHAMBERS, Can. Ent., viii, 106, 1876. Ky.
- *6501. *defectella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873. Cal.
6502. *dorsistrigella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 50, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873; xxv, 342, 1875. Atl. States.
syn. *subjunctella* WALKER, Cat. Brit. Mus., xxvii, 471, 1863; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882.
6503. *fuscipunctella* HAWORTH, Lep. Brit., 562, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4583, 1901. Eur., Lab.
syn. *spretella* ZELLER, *nubilipennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 58, 1872; *frigidella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1867; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882.
- *6504. *fuscomaculella* CHAMBERS, Can. Ent., v, 90, 1873. Ky.
6505. *fuscopulvella* CHAMBERS, Can. Ent., v, 90, 1873. Ky.
6506. *granella* LINNÆUS, Syst. Nat., 537, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4555, 1901; PACKARD, Guide Stud. Ins., 347, 1869; CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882. Eur., Atl. States.
syn. *variatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; CHAMBERS, Can. Ent., vii, 126, 1875.

6507. *grumella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 221, 1873. Mass.
- *6508. *imitatorella* CHAMBERS, Can. Ent., viii, 105, 1876. Ky.
- *6509. *maculabella* CHAMBERS, Can. Ent., v, 90, 1873. Ky.
6510. *marginimaculella* CHAMBERS, Can. Ent., vii, 212, 1875. Can.
syn. *maculimarginella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878.
- *6511. *marginistrigella* CHAMBERS, Can. Ent., v, 88, 1873. Ky.
6512. *marmorella* CHAMBERS, Can. Ent., vii, 212, 1875. Can.
6513. *minutipulvella* CHAMBERS, Can. Ent., vii, 212, 1875. Can.
6514. *misella* ZELLER, Isis, 184, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4580, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873. Tex., Eur.
- *6515. *misceella* CHAMBERS, Can. Ent., v, 86, 1873. Ky.
- *6516. *niveocapitella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 249, 1775. Cal.
- *6517. *obsкуроstrigella* CHAMBERS, Can. Ent., vi, 232, 1874. Tex.
6518. *oregonella* BUSCK, Jn. N. Y. Ent. Soc., viii, 246, 1900. Oreg.
- *6519. *orleansella* CHAMBERS, Can. Ent., v, 85, 1873. La.
6520. *pellionella* LINNÆUS, Syst. Nat., 536, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4584, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882; FERNALD, Can. Ent., xiv, 169, 1882. Eur., U. S., Asia.
syn. *flavescentella* HAWORTH, *merdella* ZELLER, *dubiella* STANTON, *grisseella* CHAMBERS, Can. Ent., v, 88, 1873.
6521. *seminolella* BEUTENMÜLLER, Ent. Amer., v, 9, 1889. Fla.
- *6522. *septemstrigella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878. Tex.
- *6523. *thoracestrigella* CHAMBERS, Can. Ent., viii, 106, 1876. Ky.?
- *6524. *tringulatella* CLEMENS, Proc. Ent. Soc. Phil., ii, 128, 1863; Tin. No. Am., 234, 1872. Pa.
- *6525. *trimaculella* CHAMBERS, Can. Ent., v, 88, 1873. Ky.

- *6526. *unomaculella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 258, 1875. Tex.
6527. *cloacella* HAWORTH, Lep. Brit., 563, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4556, 1901. Eur., U. S.?
- *6528. *straminella* CHAMBERS, Can. Ent., v, 86, 1873. Ky.
- *6529. *martinella* WALKER, Cat. Brit. Mus., xxviii, 472, 1863. Can.
- *6530. *afflictella* WALKER, Cat. Brit. Mus., xxx, 1002, 1864. Can.
6531. *arcella* FABRICIUS, Gen. Ins., 295, 1777; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4543, 1901. Eur., U. S.?

TRICHOPHAGA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., lxiii, 123, 1894.

6532. *tapetzella* LINNÆUS, Syst. Nat., 536, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4539, 1901; CLEMENS, Tin. No. Am., 258, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878; FERNALD, Can. Ent., xiv, 169, 1882. Eur., U. S.
- a. occidentella* CHAMBERS, Jn. Cin. Soc. Nat. Sci ii, 193, 1879.

AMADRYA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859.

- *6533. *clemensella* CHAMBERS, Can. Ent., vi, 232, 1874; Cin. Quart. Jn. Sci., ii, 256, 1875. Tex.
- *6534. *effrenatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859; Tin. No. Am., 55, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 219, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875. Pa., Mass.

CYANE Chambers.

CHAMBERS, Can. Ent., v, 112, 1873.

- *6535. *visaliella* CHAMBERS, Can. Ent., v, 113, 1873. Ky.

PHRYGANEOPSIS Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 301, 1881.

- *6536. *brunnea* WALSINGHAM, Proc. Zool. Soc. Lond., 302, 1881. Cal.

DIACHORISIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 12, 1860.

- *6537. *velatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 13, 1860; Tin. No. Am., 107, 1872. Pa.

EUDARCIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 10, 1860.

6538. *simulatricella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 102, 1872; WAL-SINGHAM, Trans. Am. Ent. Soc., x, 171, 1882.

Atl.
States.

syn. *caementariælla* CHAMBERS, Can. Ent., v, 85, 1873; viii, 105, 1876.

TENAGA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., i, 135, 1862.

- *6539. *pomiliella* CLEMENS, Proc. Ent. Soc. Phil., i, 136, 1862; Tin. No. Am., 186, 1872.

Pa.

HYBROMA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., i, 137, 1862.

- *6540. *servulella* CLEMENS, Proc. Ent. Soc. Phil., i, 137, 1862; Tin. No. Am., 187, 1872.

Pa.

PITYS Chambers.

CHAMBERS, Can. Ent., v, 110, 1873.

- *6541. *fasciella* CHAMBERS, Can. Ent. v 111 1873; ix, 207, 1877.

Ky.

- *6542. *auricristatella* CHAMBERS, Can. Ent., v, 110, 1873.

Ky.

- *6543. *fuscocristatella* CHAMBERS, Can. Ent., v, 111, 1873.

Ky.

- *6544. *miscecristatella* CHAMBERS, Can. Ent., v, 111, 1873.

Ky.

OENOE Chambers.

CHAMBERS, Can. Ent., vi, 50, 1874.

- *6545. *hybromella* CHAMBERS, Can. Ent., vi, 51, 1874; Jn. Cin. Soc. Nat. Hist., ii, 186, 1879.

Ky.

SEMELE Chambers.

CHAMBERS, Cin. Quart. Jn. Sci., ii, 243, 1875.

- *6546. *argentistrigella* CHAMBERS, Can. Ent., v, 89, 1873; viii, 105, 1876.

Ky.

- *6547. *argentinotella* CHAMBERS, Can. Ent., viii, 104, 1876.

Ky.

- *6548. *cristatella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 243, 1875; Can. Ent., ix, 208, 1877.

Ky.

syn. *bifasciella* CHAMBERS, Can. Ent., viii, 105, 1876; ix, 208, 1877.

SETOMORPHA Zeller.

ZELLER, Micr. Caffr., 93, 1853.

- *6549. *operosella* ZELLER, Verh. zool.-bot. Ges. Wien, Mass. ?
xxiii, 223, 1873.
- *6550. *inamœnella* ZELLER, Verh. zool.-bot. Ges. Wien, Mass. ?
xxiii, 224, 1873.
- *6551. *runderella* ZELLER, Verh. zool.-bot. Ges. Wien, Mass. ?
xxiii, 225, 1873.

ADELA Latreille.

LATREILLE, Gen. Crust. Ins., iv, 224, 1796; CLEMENS, Tin. No. Am., 249, 1872.

6552. *æruginosella* WALSINGHAM, Ins. Life, ii, 285, 1890. La.
6553. *bella* CHAMBERS, Can. Ent., v, 73, 1873; ix, 207, Atl.
1877; xi, 125, 1879; WALSINGHAM, Ins. Life, ii, States.
285, 1890.
syn. *chalybeis* ZELLER, Verh. zool.-bot. Ges.
Wien, xxiii, 226, 1873; WALSINGHAM, Proc.
Zool. Soc. Lond., 79, 1880; *iochroa* ZELLER,
Hor. Soc. Ent. Ross., xiii, 218, 1877.
- *6554. *bellella* WALKER, Cat. Brit. Mus., xxviii, 561, Can.
1863; WALSINGHAM, Proc. Zool. Soc. Lond., 79,
1880; Ins. Life, ii, 284, 1890.
6555. *flammeusella* CHAMBERS, Can. Ent., viii, 104, Cal.
1876; WALSINGHAM, Proc. Zool. Soc. Lond., 79,
1880.
syn. *flamensella* WALSINGHAM, Ins. Life, ii,
284, 1890; *lactimaculella* WALSINGHAM,
Proc. Zool. Soc. Lond., 80, 1880.
6556. *punctiferella* WALSINGHAM, Ins. Life, ii, 284, Cal.
1890.
6557. *purpura* WALKER, Cat. Brit. Mus., xxviii, 501, No. Atl.
1863; WALSINGHAM, Proc. Zool. Soc. Lond., 79, States.
1880; Ins. Life, ii, 285, 1890.
syn. *biviella* ZELLER, Verh. zool.-bot. Ges.
Wien, xxiii, 226, 1873; CHAMBERS, Can.
Ent., ix, 206, 1877; xi, 125, 1879.
6558. *ridingsella* CLEMENS, Proc. Ent. Soc. Phil., ii, Atl. States.
426, 1864; Tin. No. Am., 250, 1872; PACKARD,
Guide Stud. Ins., 348, 1869; WALSINGHAM, Ins.
Life, ii, 285, 1890.
syn. *schlaegeri* ZELLER, Verh. zool.-bot. Ges.
Wien, xxiii, 227, 1873; WALSINGHAM, Trans.
Am. Ent. Soc., x, 173, 1882; *corruscifusciella*
CHAMBERS, Can. Ent., v, 74, 1873; ix, 207,
1877; xi, 125, 1879; WALSINGHAM, Proc.
Zool. Soc. Lond., 79, 1880.

6559. *septentrionella* WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880. Oreg.
Cal.
6560. *simpliciella* WALSINGHAM, Proc. Zool. Soc. Lond., 81, 1880; Ins. Life, ii, 284, 1890. Oreg.
6561. *singulella* WALSINGHAM, Proc. Zool. Soc. Lond., 80, 1880; Ins. Life, ii, 285, 1890. Cal.
- *6562. *trifasciella* CHAMBERS, Can. Ent., viii, 103, 1876. Cal.
6563. *trigrapha* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 342, 1875; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880. Cal.
- syn. *fasciella* CHAMBERS, Can. Ent., viii, 103, 1876.

PRODOXUS Riley.

RILEY, Am. Ent., iii, 155, 1880.

6564. *quinquepunctella* CHAMBERS, Can. Ent., vii, 7, 1875; RILEY, Am. Ent., iii, 141, 1880. So. Atl
States
- syn. *decipiens* RILEY, Amer. Ent., iii, 155, 1880; Proc. Am. Ass. Adv. Sci., 1880, 617, 1881; Am. Nat., xvi, 62, 1882; Ins. Life, iv, 371, 1892; *paradoxa* CHAMBERS, Jn. Cin. Soc. Nat. Hist., i, 149, 1878.
6565. *intermedius* RILEY, Proc. Am. Ass. Adv. Sci., 1880, 617, 1881. Tex.
6566. *marginatus* RILEY, Proc. Am. Ass. Adv. Sci., 1880, 617, 1881; Ins. Life, iv, 373, 1892. Cal.
6567. *y-inversa* RILEY, Proc. Ent. Soc. Wash., ii, 316, 1892; Ins. Life, iv, 373, 1892. Cal.
6568. *reticulata* RILEY, Proc. Ent. Soc. Wash., ii, 316; 1892; Ins. Life, iv, 374, 1892. Col.
6569. *coloradensis* RILEY, Proc. Ent. Soc. Wash., ii, 316, 1892; Ins. Life, iv, 374, 1892. Col.
- a. *lautus* COCKERELL, Psyche, viii, 142, 1897.
- b. *confluens* COCKERELL, Psyche, viii, 142, 1897.
6570. *pulverulentus* RILEY, Proc. Ent. Soc. Wash., ii, 315, 1892. Cal.
6571. *sordidus* RILEY, Proc. Ent. Soc. Wash., ii, 319 1892. Cal.
6572. *cinereus* RILEY, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881. Cal.
6573. *ænescens* RILEY, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881. Cal.

PRONUBA Riley.

RILEY, Fifth Rept. Ins. Mo., 150, 1873; Ins. Life, iv, 360, 1892.

6574. **yuccasella** RILEY, Fifth Rept. Ins. Mo., 150, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 161, 1878; RILEY, Nature, vi, 444, 1872; Trans. Acad. Nat. Sci. St. Louis, iii, 55, 1873; BOIL, Stett. ent. Zeit., xxxvii, 401, 1876; RILEY, Am. Ent., iii, 182, 293, 1880; Can. Ent., xii, 263, 1880; Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881; Ins. Life, iv, 360, 1892. So. Atl. States.

syn. *alba* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 232, 1873; xxv, 340, 1885; HAGEN, Can. Ent., xii, 129, 1880.

6575. **maculata** RILEY, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881; Proc. Ent. Soc. Wash., ii, 315, 1892; Ins. Life, iv, 368, 1892. Cal., Col.

a. apicella DYAR (spots pulverulent, confluent apically, the subbasal ones obsolete).

6576. **paradoxa** RILEY, Proc. Ent. Soc. Wash., i, 154, 1889. Cal.

syn. *synthetica* RILEY, Proc. Ent. Soc. Wash., ii, 312, 1892.

NEOLOPHUS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 141, 1887.

6577. **furcatus** WALSINGHAM, Trans. Ent. Soc. Lond., 141, 1887. Ariz.

6578. **persimplex** DYAR, Can. Ent., xxxii, 327, 1900. Ariz.

EULEPISTE Walsingham.

WALSINGHAM, Trans. Am. Ent. Soc., x, 169, 1882; Trans. Ent. Soc. Lond., 142, 1887.

6579. **cressoni** WALSINGHAM, Trans. Am. Ent. Soc., x, 169, 1882; Trans. Ent. Soc. Lond., 142, 1887. Tex.

6580. **maculifer** WALSINGHAM, Trans. Ent. Soc. Lond., 143, 1887. Ariz.

6581. **cockerelli** DYAR, Can. Ent., xxxii, 307, 1900. N. Mex.

HYPOCOLPUS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 144, 1887.

6582. **griseus** WALSINGHAM, Trans. Ent. Soc. Lond., 144, 1887. D. C., 1 Ariz.

6583. *mortipennellus* GROTE, Can. Ent., iv, 137, 1872; xviii, 199, 1886; WALSINGHAM, Trans. Am. Ent. Soc., x, 167, 1882; Trans. Ent. Soc. Lond., 150, 1887.

So.
Atl.
States.

syn. *quadripunctellus* DYAR, Can. Ent., xxxii, 307, 1900.

ACROLOPHUS Poey.

POEY, Cent. Lep. Cuba, 1832; WALSINGHAM, Trans. Ent. Soc. Lond., 147, 1887.

6584. *plumifrontellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 261, 1859; Tin. No. Am., 57, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 218, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 513, 1891; BEUTENMÜLLER, Ent. Amer., v, 9, 1889.

Atl.
States.

syn. *bombycina* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 216, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878; WALSINGHAM, Trans. Ent. Soc. Lond., 149, 1887.

6585. *cervinus* WALSINGHAM, Trans. Ent. Soc. Lond., 151, 1887; DYAR, Can. Ent., xxxii, 308, 1900.

Fla.,
Tex.

syn. *angustipennellus* BEUTENMÜLLER, Ent. Amer., iii, 140, 1887.

6586. *texanellus* CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878; WALSINGHAM, Trans. Ent. Soc. Lond., 152, 1887.

N. C.,
Tex.

6587. *hulstellus* BEUTENMÜLLER, Ent. Amer., iii, 139, 1887.

Fla.

6588. *arizonellus* WALSINGHAM, Trans. Ent. Soc. Lond., 153, 1887; DYAR, Can. Ent., xxxii, 309, 1900.

Ariz.,
N. Mex.

6589. *simulatus* WALSINGHAM, Trans. Am. Ent. Soc., x, 168, 1882; Trans. Ent. Soc. Lond., 148, 1887.

Tex.,
Ariz.

ATOPOCERA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 169, 1897.

6590. *barnesii* DYAR, Can. Ent., xxxii, 326, 1900.

Tex.

ANAPHORA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859; ZELLER, Verh. zool.-bot. Ges. W. xxiii, 214, 1873; WALSINGHAM, Trans. Ent. Soc. Lond., 155, 1887.

6591. *propinqua* WALSINGHAM, Trans. Ent. Soc. Lond., 157, 1887.

Fla.

6592. *confusellus* DYAR, Can. Ent., xxxii, 309, 1900.

So. Atl.
States.

- *6593. *morrisoni* WALSINGHAM, Trans. Ent. Soc. Lond., 157, 1887.

Fla.

6594. **popeanella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 261, 1859; Tin. No. Am., 57, 1872; WALSINGHAM, Trans. Ent. Soc. Lond., 161, 1887; Proc. Zool. Soc. Lond., 515, 1891; 172, 1897; CHAMBERS, Can. Ent., iv, 137, 143, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 215, 1873.

Atl.
States,
Rocky
Mts.

syn. *agrotipennella* GROTE, Can. Ent., iv, 137, 1872; MURTFELDT, Can. Ent., viii, 185, 1876; *scardina* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 215, 1873.

6595. **tenuis** WALSINGHAM, Trans. Ent. Soc. Lond., 164, 1887.

So. Atl.
States.

syn. *violaceellus* BEUTENMÜLLER, Ent. Amer., iii, 139, 1887; DYAR, Can. Ent., xxxii, 309, 326, 1900.

6596. **macrogaster** WALSINGHAM, Trans. Ent. Soc. Lond., 165, 1887.

Ariz.

ORTHOLOPHUS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 169, 1887.

6597. **piger** DYAR, Can. Ent., xxxii, 327, 1900.

Tex.

6598. **variabilis** WALSINGHAM, Trans. Ent. Soc. Lond., 169, 1887; DYAR, Can. Ent., xxxii, 310, 1900.

Rocky Mts.,
Ariz.

FELDERIA Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 165, 1887.

6599. **flicicornis** WALSINGHAM, Trans. Ent. Soc. Lond., 167, 1887.

Ariz.,
Mex.

syn. *mexicanellus* BEUTENMÜLLER, Ent. Amer., iv, 29, 1888; *flicicornis* DYAR, Can. Ent., xxxii, 310, 1900.

6600. **dorsimacula** DYAR, Can. Ent., xxxii, 328, 1900.

Tex., Ariz.

PSEUDANAPHORA Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 170, 1887.

6601. **davisellus** BEUTENMÜLLER, Ent. Amer., iii, 139, 1887.

Ariz.,
Tex.

a. minor DYAR (smaller, the pale marks grayer and more contrasted).

6602. **arcanella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 262, 1859; WALSINGHAM, Trans. Ent. Soc. Lond., 170, 1887; DYAR, Can. Ent., xxxii, 310, 1900.

Atl.
States.

6603. **mora** GROTE, Bull. U. S. Geol. Surv. Terr., vi, 257, 1882; DYAR, Can. Ent., xxvii, 15, 1895; xxxii, 310, 1900; MERRICK, Proc. Ent. Soc. Wash., v, 40, 1902.

Atl
State

Superfamily MICROPTERYGOIDEA.

Family HEPIALIDÆ.

(C. = NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 166-170, 1894.

STHENOPIS Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 390, 1864; NEUMOEGEN & DYAR, C. 166.

6604. **argenteomaculatus** HARRIS, Rept. Ins. Mass., 295, 1841; NEUMOEGEN & DYAR, C. 166. No. Atl. States.

syn. *argentata* PACKARD, *alni* KELLICOTT.

- a. purpurascens* PACKARD, Bost. Jn. Nat. Hist., vii, 598, 1863.

- b. los* STRECKER, Proc. Acad. Nat. Sci. Phil., 282, 1893.

- c. perdita* DYAR, Can. Ent., xxv, 327, 1893.

6605. **quadriguttatus** GROTE, Proc. Ent. Soc. Phil., iii, 73, 1864; NEUMOEGEN & DYAR, C. 167. No. Atl. States.

syn. *semiauratus* NEUMOEGEN & DYAR.

6606. **thule** STRECKER, Lep. Rhop. Het., 105, pl. 12, f. 6, 1875; NEUMOEGEN & DYAR, C. 167. Can., Wis.

- *6607. **auratus** GROTE, Can. Ent., x, 18, 1878; NEUMOEGEN & DYAR, C. 167. N. Y., N. H.

HEPIALUS Fabricius.

FABRICIUS, Syst. Ent., 589, 1775; NEUMOEGEN & DYAR, C. 167.

6608. **hyperboreus** MÖSCHLER, Wien. ent. Mon., vi, 129, 1862; NEUMOEGEN & DYAR, C. 168. No. U. S.

syn. *pulcher* GROTE, *meglashani* HY. EDWARDS.

- a. matthewi* HY. EDWARDS, Proc. Cal. Acad. Sci., v, 265, 1874.

- b. confusus* HY. EDWARDS, Pap., iv, 122, 1884.

syn. *roseicaput* NEUMOEGEN & DYAR.

6609. **mustelina** PACKARD, Proc. Ent. Soc. Phil., iii, 393, 1864; NEUMOEGEN & DYAR, C. 168. No. Atl. States.

syn. *labradorensis* PACKARD.

6610. **gracilis** GROTE, Proc. Ent. Soc. Phil., iii, 522, 1864; NEUMOEGEN & DYAR, C. 168. No. Atl. States.

syn. *furcatus* GROTE.

6611. **lembertii** DYAR, Ent. News, v, 25, 1894; NEUMOEGEN & DYAR, C. 168. Cal.

6612. **sequoiolus** BEHRENS, Can. Ent., viii, 174, 1876; NEUMOEGEN & DYAR, C. 168. Pac. States.

syn. *mendocinolus* BEHRENS.

6613. **behrensii** STRETCH, Zyg. Bomb. No. Am., 105, 1872; NEUMOEGEN & DYAR, C. 168. Pac. States.
syn. tacomæ HY. EDWARDS.
6614. **montanus** STRETCH, Zyg. Bomb. No. Am., 105, 1872; NEUMOEGEN & DYAR, C. 170. Pac. States.
syn. desolatus STRECKER, *baroni* BEHRENS, *anceps* HY. EDWARDS, *rectus* HY. EDWARDS.
6615. **hectoides** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 85, 1868; NEUMOEGEN & DYAR, C. 170. Cal., Ariz.
syn. modestus HY. EDWARDS, *inutilis* HY. EDWARDS.
a. lenzi BEHRENS, Can. Ent., viii, 175, 1876.
syn. sangaris STRECKER.
- *6616. **californicus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 85, 1868; NEUMOEGEN & DYAR, C. 170. Cal.

Family MICROPTERYGIDÆ.

ERIOCEPHALA Curtis.

CURTIS, Brit. Ent., xvi, 1839.

- *6617. **luteiceps** WALKER, Cat. Brit. Mus., xxviii, 494, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. Atl. States.
6618. **auricyanea** WALSINGHAM, Trans. Am. Ent. Soc., x, 204, 1882. Atl. States.
- *6619. **griseocapitella** WALSINGHAM, Ent. Rec., x, 161, 1898. Atl. States.
- *6620. **aurosparsella** WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. Pac. States.

EPIMARTYRIA Walsingham.

WALSINGHAM, Ent. Rec., x, 161, 1898.

- *6621. **pardella** WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. Pac. States.
- *6622. **auricrinella** WALSINGHAM, Ent. Rec., x, 161, 1898. Atl. States.

INDEX TO SPECIFIC, GENERIC, AND FAMILY NAMES.

[Specific names are written in italics; generic and family names in broad-faced type.]

	Page.		Page.
<i>aaroni</i> Skinner, 569..		<i>absconditella</i> Walker, 5585.	
<i>abacta</i> Hulst, 3385.		<i>absidum</i> Harvey, 2292.	
Abagrotis	131	<i>absinthiata</i> Clerck, 3294.	
<i>abalinealis</i> Walker, 3068.		<i>absorptalis</i> Walker, 3031.	
<i>abar</i> Strecker, 1727.		<i>abstrusellus</i> Walker, 4598.	
Abbotana	348	<i>absynthiata</i> Guenée, 3294.	
<i>abbotana</i> Hübner, 4089 (Phobetrone).		<i>acaciella</i> Busck, 5648.	
<i>abbotii</i> Edwards, 5 (Iphidicles).		<i>acadica</i> Edwards, 38 (Pontia).	
<i>abbotii</i> Grote, 4062 (Oiketicus).		<i>acadica</i> Edwards, 339 (Thecla).	
<i>abbotii</i> Swainson, 668 (Spheco-dina).		<i>acadiensis</i> Bethune, 1929.	
<i>abbreviata</i> Walker, 3726.		Acallis	401
<i>abbreviatana</i> Walker, 5124.		<i>acanootus</i> Scudder, 555.	
<i>abbreviatella</i> Grote, 2889.		Acanthocnemes	563
<i>abdominalis</i> Zeller, 6453 (Argyresthia).		<i>acanthodactyla</i> Hübner, 4939.	
<i>abdominalis</i> Grote, 915 (Pygaretia).		Acanthophora	331
<i>abdominalis</i> Zeller, 4473.1 (Pyrausta).		<i>acapnopennella</i> Clemens, 6491.	
<i>abdominalis</i> Grote, 2664 (Tarache).		<i>acapuspenella</i> Riley, 6491.	
<i>abdominella</i> Busck, 5728.		<i>acustus</i> Edwards, 162.	
<i>abella</i> Busck, 5775.		<i>acauda</i> Oberthur, 24.	
<i>aberrata</i> Hy. Edwards, 3891.		<i>accepta</i> Hy. Edwards, 2699.	
<i>abietella</i> Schiffermüller, 4711.		<i>accessaria</i> Hübner, 3759.	
<i>abietisella</i> Packard, 5596.		<i>accessoriella</i> Frey & Boll, 6227.	
<i>abietivorella</i> Grote, 4711.		<i>accius</i> Smith & Abbot, 538.	
<i>abjectarius</i> Hulst, 3815.		<i>acclivis</i> Morrison, 1529.	
<i>abnormalis</i> Hulst, 3969.		<i>accordella</i> Walsingham, 5989.	
<i>abnormis</i> Smith, 1527.		<i>accurata</i> Hy. Edwards, 2531.	
<i>abortivaria</i> Herrich-Schaeffer, 3232.		<i>acera</i> Smith, 1270.	
<i>abrasaria</i> Herrich-Schaeffer, 3450.		<i>acerana</i> Hübner, 5359.	
<i>abraxaria</i> Walker, 3862.		<i>acerba</i> Hy. Edwards, 2697.	
<i>abronalis</i> Walker, 4623.		<i>acericola</i> Guenée, 972 (Apatela).	
<i>abroniavella</i> Chambers, 6097.		<i>acericolum</i> Germar, 4221 (Sesia).	
<i>abrostella</i> Walker, 2547.		<i>aceriella</i> Clemens, 5777 (Gelechia).	
Abrostola	203	<i>aceriella</i> Chambers, 6341 (Gracilaria).	
<i>abrostoloides</i> Guenée, 2545.		<i>aceriella</i> Clemens, 6305 (Lithocolletes).	
<i>abrota</i> Druce, 2497.		<i>aceriella</i> Clemens, 5189 (Thiodia).	
<i>abrupta</i> Grote, 970.		<i>acerifoliella</i> Chambers, 6342 (Gracilaria).	
<i>abruptana</i> Zeller, 5126.		<i>acerifoliella</i> Fitch, 6477 (Tischeria).	
<i>abruptata</i> Walker, 3647.		<i>acerni</i> Clemens, 4221.	
<i>abscondens</i> Oberthur, 845.		Acerria	
		<i>acestealis</i> Walker, 4304.	
		<i>achiaia</i> Grote & Robinson, 881.	

	Page.		Page.
Achatia	113	<i>addenda</i> Smith, 2051.	
<i>achatina</i> Smith & Abbot, 3193		Adela	57
(<i>Olene</i>).		<i>adelina</i> Staudinger, 201.	
<i>achatina</i> Zeller, 4552 (<i>Prionapteryx</i>).		Adelocephala	7
<i>achatinalis</i> Zeller, 3069.		Adelphagrotis	13
<i>achatinata</i> Hübner, 3349.		<i>aden</i> Strecker, 2314.	
Achatodes	174	<i>adenostomatis</i> Hy. Edwards, 356.	
Acherdoa	195	<i>aderusella</i> Riley, 5711.	
<i>achemon</i> Drury, 679.		<i>adiante</i> Boisduval, 127.	
<i>acheronta</i> Fabricius, 252.		<i>adiaste</i> Behr, 127.	
<i>achilla</i> Hy. Edwards, 4245.		<i>adipaloides</i> Grote & Robinson, 4426.	
Achlarus	57	Adipsopharus	10
<i>achor</i> Strecker, 1591.		Adita	12
Achroia	413	<i>adjuncta</i> Boisduval, 1812.	
Achylodes	58	<i>adjuta</i> Grote, 1977.	
<i>acidaliaria</i> Walker, 3860.		<i>adjutrix</i> Scudder, 201.	
<i>acidaliata</i> Packard, 3464.		Admetovis	15
Aciptilia	444	<i>admiralis</i> Retzius, 219.	
Aciptilus	444	<i>admirandus</i> Hy. Edwards, 4186.	
<i>acis</i> Drury, 364.		<i>adnata</i> Boisduval, 848.	
Acleris	472	<i>adnixa</i> Grote, 1156.	
<i>acmon</i> Doubleday & Hewitson, 434.		<i>adona</i> Strecker, 3228.	
Acoloithus	359	<i>adonea</i> Grote, 1975.	
Acopa	108	Adoneta	35
<i>acornis</i> Smith, 1611.		<i>adoptiva</i> Grote, 2876.	
<i>acraea</i> Drury, 851.		<i>adriana</i> Hy. Edwards, 2864.	
<i>acrionalis</i> Walker, 4450.		<i>adulatalis</i> Hulst, 4646.	
Acrobasis	418	<i>adumbrana</i> Walsingham, 5430.	
Acrocaula	418	<i>adumbrata</i> Behr, 2785.	
Acrolepia	568	<i>aduncella</i> Zeller, 5711.	
Acrolophus	578	<i>aduncula</i> Felder, 1143.	
Acronicta	99	<i>adusta</i> Walsingham, 4952.	
<i>acronyctoides</i> Walker, 960.		<i>adustaria</i> Walker, 3944.	
<i>actinomeridis</i> Frey & Boll, 6324.		<i>advena</i> Grote, 2283.	
Actinotia	122	<i>adversa</i> Grote, 2759.	
<i>actualis</i> Hulst, 4714.		Æsa	540
<i>aculeilellus</i> Walker, 4557.		<i>adessa</i> Druce, 2434.	
<i>acuphisalis</i> Walker, 4450.		<i>ædon</i> Grote, 1258.	
<i>acutana</i> Eversmann, 5007.		Ædophron	185
<i>acutaria</i> Herrich-Schaeffer, 2571.		<i>ægaria</i> Strecker, 3687.	
<i>acutella</i> Walker, 4409.		Ægeria	366
<i>acutifrons</i> Smith, 1731.		<i>æglella</i> Ragonot, 4833.	
<i>acutilinea</i> Grote, 2341.		<i>æglealis</i> Walker, 4419.	
<i>acutipenella</i> Walsingham, 5991.		<i>ægrana</i> Walsingham, 5474.	
<i>acutipennis</i> Grote, 1850 (<i>Mamestra</i>).		<i>ægrotalis</i> Zeller, 4344.	
<i>acutipennis</i> Hulst, 3315 (<i>Tephroclystis</i>).		<i>ægrotata</i> Hy. Edwards, 2749 (<i>Cisura</i>).	
<i>acutissima</i> Grote, 1271.		<i>ægrotata</i> Guenée, 4020 (<i>Sabulodes</i>).	
Adactylotis	324	<i>ahaja</i> Behr, 409.	
<i>adamantana</i> Guenée, 5145.		<i>aliaria</i> Walker, 3986.	
<i>adaptella</i> Walker, 5778.		Ællopos	63
		<i>æmilea</i> Skinner, 598.	
		Æmilis	95

	Page		Page.
<i>amula</i> Hübner, 3009.		<i>afflictella</i> Hulst, 4757 (<i>Salebria</i>).	
<i>amulata</i> Hulst, 3509.		<i>afflictella</i> Walker, 6530 (<i>Tinea</i>).	
<i>amulataria</i> Walker, 3667.		<i>affusana</i> Zeller, 5139.	
<i>amusella</i> Riley, 5990.		<i>afra</i> Edwards, 419.	
<i>anea</i> Frey & Boll, 6449.		<i>afranius</i> Lintner, 623.	
<i>aneella</i> Hulst, 4788.		Agapema 72	
<i>æneipennis</i> Grote, 1548.		Agapetidæ 27	
<i>æneoviridella</i> Ragonot, 4789.		<i>agarista</i> Cramer, 3006.	
<i>ænescens</i> Walsingham, 6478 (<i>Incur-</i>		Agaristidæ 96	
<i>varia</i>).		<i>agarithe</i> Boisduval, 55.	
<i>ænescens</i> Riley, 6573 (<i>Prodoxus</i>).		Agassizia 219	
<i>æneusella</i> Chambers, 5990.		<i>agassizii</i> Robinson, 5082 (<i>Eucoema</i>).	
<i>ænigmatella</i> Frey & Boll, 6262.		<i>agassizii</i> Packard, 922 (<i>Halisidota</i>).	
<i>æno</i> Scudder, 295.		Agathodes 378	
<i>ænus</i> Edwards, 464.		<i>agema</i> Strecker, 1580.	
<i>ænusella</i> Chambers, 5990.		Agia 268	
<i>æqualiaria</i> Grote, 3767 (<i>Caripeta</i>).		<i>agilana</i> Clemens, 5053.	
<i>æqualiaria</i> Walker, 3910 (<i>Therina</i>).		<i>agilis</i> Grote, 1547.	
<i>æqualis</i> Walker, 4136 (<i>Dysodia</i>).		<i>agitatellus</i> Clemens, 4575.	
<i>æqualis</i> Harvey, 1567 (<i>Paragrotis</i>).		<i>aglaella</i> Hulst, 4833.	
<i>æquepulvella</i> Chambers, 5674.		<i>aglaia</i> Edwards, 119.	
<i>æquiferaria</i> Walker, 3675.		Aglais 23	
<i>æquilinea</i> Smith, 2261.		<i>agliata</i> Guenée, 4010.	
<i>æquosus</i> Grote & Robinson, 4005.		Aglossa 398	
<i>ærata</i> Lyman, 2180 (<i>Papaipema</i>).		<i>agnella</i> Clemens, 6234.	
<i>ærata</i> Fabricius, 3578 (<i>Synchlora</i>).		Agnippe 497	
<i>ærea</i> Hübner, 2474.		Agnomonía 233	
<i>æreoides</i> Grote, 2475.		<i>agraphodactylus</i> Walker, 4974.	
<i>æria</i> Grote, 2616.		Agraulis 12	
<i>æriferella</i> Clemens, 6281.		<i>agreasaria</i> Walker, 3944.	
<i>æruginosa</i> Guenée, 2983.		<i>agrestis</i> Grote, 1519.	
<i>æruginosella</i> Walsingham, 6552.		Agriades 44	
<i>æsculana</i> Riley, 5219.		<i>agricola</i> Boisduval, 508 (<i>Anthomas-</i>	
<i>æsculella</i> Riley, 6306.		<i>ter</i>).	
<i>æsculi</i> Linnæus, 4141.		<i>agricola</i> Grote, 2754 (<i>Drasteria</i>).	
<i>æsculisella</i> Chambers, 6306.		<i>agricolana</i> Walsingham, 5092.	
<i>æsellæ</i> Chambers, 6117.		<i>agrimoniella</i> Clemens, 5711.	
<i>æsionaria</i> Walker, 3934.		Agriopsis 330	
<i>æstiva</i> Harris, 39.		<i>agrippina</i> Strecker, 2808.	
Æthalodes 324		<i>agrotiformis</i> Grote, 2002.	
Æthaloptera 327		<i>agrotipennella</i> Grote, 6594.	
<i>ætheria</i> Grote, 2635.		<i>agrotipennis</i> Harvey, 2774.	
<i>æthra</i> Strecker, 653.		Agrotiphila 150	
Æthyctera 317		Agrotis 133	
Ætia 540		<i>ahaton</i> Harris, 523.	
<i>ætna</i> Scudder, 519.		<i>aholah</i> Strecker, 2897.	
<i>affinis</i> Grote, 906 (<i>Ammalo</i>).		<i>aholibah</i> Strecker, 2860.	
<i>affinis</i> Edwards, 379 (<i>Callophrys</i>).		<i>ahrensiana</i> Geyer, 5076.	
<i>affinis</i> Frey & Boll, 6314 (<i>Litho-</i>		<i>ajax</i> Linnæus, 5.	
<i>colletes</i>).		<i>akalus</i> Strecker, 2005.	
<i>affinis</i> Goeze, 699 (<i>Phlegethontius</i>).		Alabama 150	
<i>afflicta</i> Grote, 1018.		<i>alabamæ</i> Grote, 2903 (<i>Catocala</i>).	
<i>afflictana</i> Walker, 5373.		<i>alabamæ</i> Grote, 1468 (<i>Peridroma</i>).	

	Page.	
<i>alabastaria</i> Hübner, 3486.		<i>albata</i> Edwards, 143 (Brenthis).
<i>alacella</i> Clemens, 5659.		<i>albata</i> Elwes, 294 (Oeneis).
Alaria	186	<i>albata</i> Dyar, 835.
Alarodia	356	<i>albescens</i> Hulst, 3841 (Selidosema).
<i>alaska</i> Grote, 1763 (Agrotiphila).		<i>albescens</i> Tepper, 705 (Sphinx).
<i>alaska</i> Hulst, 3423 (Cenocalpe).		<i>albicans</i> Walker, 941 (Phegoptera).
<i>alaskensis</i> Holland, 123 (Brenthis).		<i>albicans</i> Fisher, 4954 (Platyptilia).
<i>alaskensis</i> Holland, 274 (Erebia).		<i>albicapitata</i> Packard, 3282.
<i>alaskensis</i> Holland, 292 (Eneis).		<i>albicapitella</i> Chambers, 6232.
Alata	428	<i>albicepsana</i> Walker, 5177.
<i>alatella</i> Hulst, 4678.		<i>albicerialis</i> Grote, 4362.
<i>alautella</i> Duponchel, 6401.		<i>albiciliana</i> Fernald, 5054.
<i>alba</i> Grote, 771 (Anisota).		<i>albiciliata</i> Walsingham, 4953.
<i>alba</i> Strecker, 85 (Eurema).		<i>albicilla</i> Herrich-Schaeffer, 574.
<i>alba</i> Strecker, 70 (Eurymus).		<i>albicollis</i> Oberthur, 845.
<i>alba</i> Edwards, 639 (Hesperia).		<i>albicomma</i> Hulst, 4191 (Bembecia).
<i>alba</i> Zeller, 6574 (Pronuba).		<i>albicomma</i> Strecker, 3164 (Harpyia).
<i>albaciliavella</i> Chambers, 5652.		<i>albicomana</i> Clemens, 5400.
<i>albacostella</i> Chambers, 5992.		<i>albicomis</i> Hy. Edwards, 4217.
<i>albafascia</i> Smith, 2352.		<i>albicosta</i> Smith, 1530 (Rhizagrotis).
<i>albalinella</i> Chambers, 6136.		<i>albicosta</i> Hübner, 3125 (Symm-
<i>albalis</i> Robinson, 4492 (Nymphu-		erista).
la).		<i>albicostella</i> Beutenmüller, 5896
<i>albalis</i> Grote, 1525 (Rhizagrotis).		(Ethmia).
<i>albana</i> Fabricius, 4623.		<i>albicostellus</i> Fernald, 4545 (Scharno-
<i>albangulana</i> Walsingham, 5120.		bius).
<i>albanianna</i> Walker, 5393.		<i>albida</i> Walker, 817 (Clemensia).
<i>albanotella</i> Chambers, 6396 (Coris-		<i>albida</i> Strecker, 852 (Estigmene).
cium).		<i>albida</i> Smith, 2136 (Euharveya).
<i>albanotella</i> Chambers, 6263 (Litho-		<i>albida</i> Walsingham, 4946 (Platyp-
colletes).		tilia).
<i>albanus</i> Felder, 9.		<i>albidana</i> Walker, 5462.
<i>albapalpella</i> Chambers, 5502 (Eido).		<i>albidella</i> Hulst, 4913.
<i>albapalpella</i> Chambers, 6076 (Ela-		<i>albidentina</i> Walker, 2299.
chista).		<i>albidorsella</i> Walsingham, 4947 (Pla-
<i>albapennella</i> Chambers, 6104.		typtilia).
<i>albapulvella</i> Chambers, 5843.		<i>albidorsella</i> Walsingham, 5507 (Plu-
<i>albaria</i> Grote, 3592.		tella).
<i>albarufa</i> Grote, 1022.		<i>albidula</i> Hulst, 3502 (Cinglis).
<i>albata</i> Packard, 817 (Clemensia).		<i>albidula</i> Guenée, 2601 (Eustrotia).
<i>albata</i> Hulst, 3414 (Hydriomena).		<i>albidula</i> Hulst, 3999 (Stenaspilates).
<i>albavena</i> Ottolengui, 2441.		<i>albifascia</i> French, 848.
<i>albaritta</i> Ottolengui, 2500.		<i>albifascialis</i> Boisduval, 4276.
<i>albella</i> Chambers, 6174 (Aphigalia).		<i>albifasciata</i> Packard, 3869.
<i>albella</i> Chambers, 6249 (Buccula-		<i>albifera</i> Walker, 3336.
trix).		<i>albifrons</i> Smith & Abbot, 3125.
<i>albella</i> Chambers, 6410 (Busckia).		<i>albifusa</i> Walker, 1801.
<i>albella</i> Chambers, 5841 (Ide).		<i>albifusata</i> Walker, 3605.
<i>albella</i> Chambers, 6148 (Mompha).		<i>albiginarium</i> Walker, 3838.
<i>albella</i> Chambers, 6407 (Proleucop-		<i>albiguttana</i> Zeller, 5090.
tera).		<i>albilinea</i> Hübner, 1963.
<i>albellus</i> Clemens, 4577 (Crambus).		<i>albilinenta</i> Walsingham, 6105.
<i>albeolana</i> Zeller, 5035.		<i>albilinellus</i> Fernald, 4595.

Page.			Page.
	<i>albilorella</i> Zeller, 5725.		<i>albolineata</i> Packard, 3578 (Syn- chlora).
	<i>albilunata</i> Smith, 2159.		<i>albomaculata</i> Hy. Edwards, 3998.
	<i>albimaculana</i> Fernald, 5273.		<i>albomaculata</i> Stoll, 949.
	<i>albimaculata</i> Freyer, 3390.		<i>albomaculella</i> Chambers, 5721.
	<i>albimarginella</i> Chambers, 5624.		<i>albomarginella</i> Chambers, 5624.
	<i>albina</i> Poey, 88 (Eurema).		<i>albopalpella</i> Riley, 5502 (Eido).
	<i>albina</i> Grote, 1236 (Hadena).		<i>albopalpella</i> Chambers, 6149 (Mom- pha).
	<i>albinatella</i> Chambers, 6396.		<i>alboplugata</i> Smith, 2271.
	<i>albinella</i> Cramer, 4540.		<i>albopunctata</i> Walker, 1095.
	<i>albinic</i> Skinner, 66.		<i>albopunctata</i> Morrison, 3764 (Cari- peta).
	<i>albipenella</i> Hulst, 4846.		<i>albopunctata</i> Tepper, 3080 (Hy- pena).
	<i>albipennis</i> Grote, 1708.		<i>albosigma</i> Fitch, 3096.
	<i>albiplaga</i> Aaron, 174 (Cinclidia).		<i>albosignata</i> Packard, 3439.
	<i>albiplaga</i> Walker, 3141 (Hetero- campa).		<i>albovenosa</i> Geoze, 1049.
	<i>albiplagiata</i> Packard, 4792.		<i>alboritella</i> Hulst, 4718.
	<i>albipuncta</i> Smith, 1089.		<i>alborittata</i> Guenée, 3332.
	<i>albipunctata</i> Packard, 4100.		<i>album</i> Harvey, 2291.
	<i>albiscentellum</i> Ragonot, 4869.	Albuna	367
	<i>albisignalis</i> Zeller, 3072.	<i>alcarus</i> Hewitson, 583.	
	<i>albisinuatella</i> Packard, 4597.	<i>alce</i> Edwards, 444.	
	<i>albisparsella</i> Chambers, 5750.	<i>alcestis</i> Edwards, 100 (Argynnis).	
	<i>albistriana</i> Wood, 5309.	<i>alcestis</i> Edwards, 338 (Thecla).	
	<i>albistrigella</i> Walsingham, 5897 (Eth- mia).	<i>alchemillaria</i> Esper, 3458 (Petrop- hora).	
	<i>albistrigella</i> Chambers, 5779 (Gele- chia).	<i>alchemillaria</i> Freyer, 3361 (Rheu- maptera).	
	<i>albocapitella</i> Hulst, 4685 (Acro- basis).	<i>alchemillata</i> Schiffermüller, 3361.	
	<i>albocapitella</i> Chambers, 6164 (Mom- pha).	<i>alchimiella</i> Scopoli, 6372.	
	<i>alboclavellus</i> Zeller, 4574.	<i>alcidamus</i> Cramer, 11.	
	<i>albocostaliata</i> Packard, 3484.	<i>alcina</i> Skinner, 524.	
	<i>albocostalis</i> Walker, 4807 (Etiella).	<i>alciphearia</i> Walker, 3970.	
	<i>albocostalis</i> Hulst, 4794 (Pima).	Alcis	320
	<i>albocostella</i> Hulst, 4902.	<i>alcmeone</i> Cramer, 53.	
	<i>albofascia</i> Hy. Edwards, 3167.	<i>alconalis</i> Walker, 4325.	
	<i>albofasciata</i> Grote, 3332 (Euchæca).	<i>alcoolaria</i> Guenée, 3930.	
	<i>albofasciata</i> Bethune, 2994 (Homop- tera).	Alcothoe	364
	<i>albofasciatum</i> Zeller, 5021 (Exarte- ma).	Aleptina	107
	<i>albofasciatus</i> Hewitson, 580 (Euda- mus).	<i>alethe</i> Neumægen & Dyar, 3097.	
	<i>albogallierella</i> Clemens, 6228.	<i>aleucis</i> Harvey, 2327.	
	<i>albogilvaria</i> Morrison, 3336.	<i>aleutianella</i> Beutenmüller, 5498.	
	<i>alboguttata</i> Grote, 1838.	<i>alexandra</i> Edwards, 70.	
	<i>albolabes</i> Grote, 1121.	<i>alexandriella</i> Chambers, 5565.	
	<i>albolineata</i> Grote & Robinson, 4263 (Glaphyria).	Alexicles	85
	<i>albolineata</i> Packard, 3382 (Meso- leuca).	<i>alferata</i> Strecker, 2139.	
		<i>alfkenii</i> Grote, 1125.	
		<i>algens</i> Grote, 1146.	
		<i>aligidana</i> Möschler, 5415.	
		<i>algidata</i> Möschler, 3455.	

	Page.		Page.
<i>algidella</i> Walker, 5839.		<i>alternata</i> Grote & Robinson, 463	
<i>alia</i> Guenée, 2040.		(<i>Amblyscirtes</i>).	
<i>alian</i> Ottolengui, 2501.		<i>alternata</i> Chambers, 6334 (<i>Litho-</i>	
<i>alaska</i> Scudder, 16.		<i>colletes</i>).	
<i>alicia</i> Edwards, 247.		<i>alternata</i> Walker, 3370 (<i>Pernopti-</i>	
<i>aliculella</i> Hulst, 4768.		<i>lota</i>).	
<i>alienaria</i> Herrich-Schaeffer, 3934.		<i>alternata</i> Grote, 1397 (<i>Rhyncha-</i>	
<i>alinda</i> Druce, 766.1.		<i>grotis</i>).	
<i>aliscallana</i> Robinson, 5428.		<i>alternatella</i> Zeller, 6334.	
<i>alitalis</i> Hulst, 4322.		<i>alternosquamella</i> Ragonot, 4721.	
<i>alko</i> Strecker, 1641.		<i>alticola</i> Smith, 1229 (<i>Hadena</i>).	
<i>allectalis</i> Grote, 4355.		<i>alticola</i> Hulst, 3808 (<i>Meris</i>).	
<i>allecto</i> Smith, 1198.		<i>alticola</i> Smith, 1704 (<i>Paragrotis</i>).	
<i>allectusaria</i> Walker, 4011.		<i>alticola</i> Walker, 2535 (<i>Syngrapha</i>).	
<i>allenella</i> Walsingham, 5894.		<i>altissimella</i> Chambers, 6454.	
<i>alleni</i> Fernald, 4625 (<i>Diatrea</i>).		Altoona 4	
<i>alleni</i> Grote, 2784 (<i>Syneda</i>).		<i>altua</i> Smith, 1832.	
<i>alleniana</i> Fernald, 5394.		Alucita 444, 4	
<i>allionealis</i> Walker, 4491.		<i>alunata</i> Skinner & Aaron, 22.	
Allotria 232		<i>alurina</i> Smith, 2041.	
<i>allua</i> Hulst, 2855.		<i>alutalis</i> Grote, 3046.	
<i>allutana</i> Zeller, 5207.		<i>alvinalis</i> Guenée, 4306.	
<i>alma</i> Strecker, 177.		Alypia 5	
Almodes 348		Alypiodes 5	
<i>alni</i> Hy. Edwards, 922 (<i>Halisidota</i>).		<i>amabilis</i> Möschler, 4297.1.	
<i>alni</i> Walsingham, 6274 (<i>Lithocolle-</i>		<i>amadis</i> Herrich-Schaeffer, 527.	
<i>tes</i>).		Amadrya 5	
<i>alni</i> Kellicott, 6604 (<i>Sthenopsis</i>).		<i>amanda</i> Smith, 2096.	
<i>alniaria</i> Packard, 3923.		<i>amaryllis</i> Smith, 2412 (<i>Heliopha-</i>	
<i>alnicolella</i> Chambers, 6343 (<i>Graci-</i>		<i>na</i>).	
<i>laria</i>).		<i>amaryllis</i> Fabricius, 31 (<i>Tachyris</i>).	
<i>alnicolella</i> Walsingham, 6273 (<i>Litho-</i>		<i>amasia</i> Smith & Abbot, 2894.	
<i>colletes</i>).		<i>amatalis</i> Walker, 4341.	
<i>alniella</i> Zeller, 6264 (<i>Lithocolletes</i>).		<i>amatana</i> Dyar, 5422.	
<i>alniella</i> Chambers, 6413 (<i>Lyonetia</i>).		<i>amatella</i> Hulst, 4716.	
<i>alnivorella</i> Chambers, 6344 (<i>Graci-</i>		<i>amatrix</i> Hubner, 2828.	
<i>laria</i>).		<i>amaturaria</i> Walker, 3469.	
<i>alnivorella</i> Chambers, 6274 (<i>Litho-</i>		Ambesa 42	
<i>colletes</i>).		<i>ambigua</i> Strecker, 933.	
<i>alope</i> Fabricius, 258 (<i>Cercyonis</i>).		<i>ambigualis</i> Walker, 3055.	
<i>alope</i> Drury, 688 (<i>Dilophonota</i>).		<i>ambisimilis</i> Dyar, 3217.	
<i>alpheus</i> Edwards, 611.		<i>amblygona</i> Zeller, 5251.	
<i>alpicola</i> Scopoli, 900.		Amblyscirtes 4	
<i>alpina</i> Quensel, 870.		<i>ambrosiae</i> Murtfeldt, 4990.	
<i>alpinana</i> Treitschke, 5290.		<i>ambrosiavella</i> Chambers, 5780.	
<i>alpinata</i> Packard, 3259.		<i>ambrosiaefoliella</i> Chambers, 6233.	
<i>also</i> Möschler, 295.		<i>ambrosiella</i> Chambers, 6321 (<i>Litho-</i>	
Alsophila 267		<i>colletes</i>).	
<i>altensis</i> Wocke, 4725.		<i>ambrosiella</i> Chambers, 6446 (<i>Tisch-</i>	
<i>altera</i> Ottolengui, 2503.		<i>eria</i>).	
<i>alterna</i> Strecker, 2517.		<i>amelaina</i> Dyar, 866.	
<i>alternaria</i> Grote, 3602.		<i>amelanchierella</i> Clemens, 6183.	

	Page.		Page.
<i>amella</i> Guenée, 2957.		<i>amorata</i> Hulst, 3410 (Hydriomena).	
Ameria	267	Amorbia	485
<i>americana</i> Linnæus, 5359.		<i>amorphæ</i> Frey & Boll, 6268 (Lithocolletes).	
<i>amercalis</i> Guenée, 3008.		<i>amorphæ</i> Hy. Edwards, 60 (Zerene).	
<i>americana</i> Fernald, 5324 (Acleris).		<i>amoryella</i> Chambers, 5781 (Gelechia).	
<i>americana</i> Walsingham, 5276 (Ancylis).		<i>amorphælla</i> Chambers, 6268 (Lithocolletes).	
<i>americana</i> Harris, 972 (Apatela).		<i>amorphella</i> Clemens, 6179.	
<i>americana</i> Harris, 904 (Arctia).		Ampelophaga	65
<i>americana</i> Harris, 3223 (Epicnaptera).		<i>ampelophaga</i> Boisduval, 678 (Pholus).	
<i>americana</i> Speyer, 2162 (Gortyna).		<i>ampelopsiella</i> Chambers, 6120 (Antispila).	
<i>americana</i> Harris, 4129 (Harrisina).		<i>ampelopsiella</i> Chambers, 6419 (Phyllocnistis).	
<i>americana</i> D'Urban, 399 (Heodes).		<i>ampelos</i> Edwards, 280.	
<i>americana</i> Harris, 3214 (Malacosoma).		<i>amphicarpælla</i> Chambers, 6269.	
<i>americana</i> Harris, 3094 (Melalopha).		<i>amphicarpeana</i> Chambers, 5532.	
<i>americana</i> Smith, 1883 (Neuronia).		<i>amphicarpeæfoliella</i> Clemens, 6402.	
<i>americana</i> Herrich-Schaeffer, 3226 (Oreta).		Amphichlora	25
<i>americana</i> Morrison, 2226 (Orthosia).		Amphidasis	328
<i>americana</i> Harvey, 3115 (Ptilodon).		Amphidasys	328
<i>americana</i> Beutenmüller, 4218 (Sesia).		<i>amphidusa</i> Boisduval, 65.	
<i>americella</i> Walsingham, 6119.		Amphion	64
<i>americus</i> Kollar, 19.		<i>amphipyroides</i> Guenée, 3005.	
Amestria	401	<i>amphorana</i> Walsingham, 5184.	
<i>amestris</i> Strecker, 2883.		<i>ampla</i> Walker, 2517 (Autographa).	
<i>amethystaria</i> Strecker, 3959.		<i>ampla</i> Grote, 3198 (Doa).	
<i>amica</i> Hübner, 2907 (Catocala).		<i>ampla</i> Dietz, 5936 (Ploiophora).	
<i>amica</i> Edwards, 410 (Cupido).		<i>amplaria</i> Walker, 3864.	
<i>amicaria</i> Herrich-Schaeffer, 3934.		<i>amplexella</i> Ragonot, 4700.	
<i>amicula</i> Hy. Edwards, 2592.		<i>ampliata</i> Ménétries, 22.	
<i>amiculatalis</i> Berg, 4414.		<i>amplissima</i> Walker, 2921.	
Amilapis	321	<i>amplus</i> Hy. Edwards, 2419.	
<i>amissa</i> Lefebvre, 1939.		<i>amputatrix</i> Fitch, 1235.	
<i>amisus</i> Hewitson, 579.		<i>amygdalina</i> Harvey, 1976.	
Ammalo	92	<i>amymone</i> Ménétries, 203.	
<i>ammon</i> Lucas, 448.		Amyna	204
<i>ammoni</i> Behr, 10.		<i>amynas</i> Fabricius, 576.	
Amœba	288	<i>amynator</i> Hübner, 721.	
<i>amœna</i> Frey & Boll, 6285 (Lithocolletes).		<i>amyntula</i> Boisduval, 441.	
<i>amœna</i> Hy. Edwards, 4162 (Melittia).		<i>amyrisaria</i> Walker, 4007.	
<i>amœnaria</i> Guenée, 3961.		<i>amyrisella</i> Busck, 5872 (Depressaria).	
<i>amœnata</i> Stephens, 3380.		<i>amyrisella</i> Busck, 6472 (Eucatagma).	
Amolita	206	Anacampsis	509
<i>amorata</i> Packard, 4043 (Callizzia).		Anœa	27

	Page.		Page.
Anagoga	333	<i>anguina</i> Smith & Abbot, 3127.	
Anaitis	267	(<i>Dasylophia</i>).	
Anania	374	<i>anguina</i> Grote, 1845 (<i>Mamestra</i>).	
<i>ananius</i> Plotz, 600.		<i>anguinella</i> Clemens, 6184.	
Anaphora	578	<i>angulalis</i> Hübner, 3058.	
Anaploides	302	<i>angulata</i> Smith, 2056 (<i>Perigonica</i>).	
Anarsia	509	<i>angulata</i> Grote, 2197 (<i>Pyrrhia</i>).	
<i>anarsiella</i> Chambers, 5745.		<i>angulatalis</i> Lederer, 4500.	
Anarta	159	<i>angulatana</i> Robinson, 5445.	
<i>anartalis</i> Grote, 4367.		<i>angulidens</i> Smith, 2512.	
Anartia	24	<i>angulifasciana</i> Zeller, 5253.	
<i>anatomella</i> Grote, 6474.		<i>angulifera</i> Walker, 745 (<i>Callosamia</i>).	
<i>ancellata</i> Walker, 3500.		<i>angulifera</i> Walker, 922 (<i>Halesi-</i>	
<i>anceps</i> Grote, 4588 (<i>Crambus</i>).		<i>dota</i>).	
<i>anceps</i> Hy. Edwards, 6614 (<i>Hepia-</i>		<i>angulifera</i> Walker, 754 (<i>Thauma</i>).	
<i>lus</i>).		<i>anguliferellum</i> Ragonot, 4872.	
<i>ancetaria</i> Hübner, 4001.		<i>angulosa</i> Smith & Abbot, 3121.	
<i>anchorelioides</i> Guenée, 1393.		<i>angusana</i> Fernald, 5325.	
Anchocelis	178	<i>angusella</i> Grote, 4687.	
<i>ancillaria</i> Strecker, 3685.		<i>angusi</i> Grote, 2822 (<i>Catocala</i>).	
<i>ancocisconensis</i> Morrison, 1278.		<i>angusii</i> Grote & Robinson, 3100	
Ancylis	466	(<i>Datana</i>).	
Ancyloxypha	48	<i>angusta</i> Haworth, 4879.	
<i>andereggiella</i> Duponchel, 6455.		<i>angustalis</i> Fabricius, 4276.	
<i>andremona</i> Cramer, 2912.		<i>angustana</i> Clemens, 5440.	
Andrewsia	232	<i>angustata</i> Frey & Boll, 6235 (<i>Buc-</i>	
<i>andria</i> Scudder, 254.		<i>culatrix</i>).	
Androloma	96	<i>angustata</i> Haworth, 3370 (<i>Percnop-</i>	
<i>andromacha</i> Hy. Edwards, 2879		<i>tilota</i>).	
(<i>Catocala</i>).		<i>angustellus</i> Blanchard, 4781.	
<i>andromacha</i> Hübner, 286 (<i>Eno-</i>		<i>angustiorata</i> Walker, 3765 (<i>Cari-</i>	
<i>dia</i>).		<i>peta</i>).	
<i>andromeda</i> Boisduval, 715 (<i>Sphinx</i>).		<i>angustiorata</i> Grote, 1089.1 (<i>Platy-</i>	
<i>andromeda</i> Guenée, 2776 (<i>Hypo-</i>		<i>sentia</i>).	
<i>gramma</i>).		<i>angustipennella</i> Clemens, 5782 (<i>Ge-</i>	
<i>androphila</i> Guenée, 2907.		<i>lechia</i>).	
Andropolia	119	<i>angustipennella</i> Dietz, 5944 (<i>Pig-</i>	
Anepischetos	207	<i>ritia</i>).	
Anerastinæ	437	<i>angustipennellus</i> Beutenmüller,	
<i>anfracta</i> Hy. Edwards, 4051.		6585 (<i>Acrolophus</i>).	
<i>anfractata</i> Hulst, 4022.		<i>angustipennis</i> Warren, 4534 (<i>Acal-</i>	
<i>anfugella</i> Dietz, 5941.		<i>lis</i>).	
<i>angelica</i> Grote, 3091 (<i>Apatelodes</i>).		<i>angustipennis</i> Möschler, 1305 (<i>Ma-</i>	
<i>angelica</i> Smith, 1071 (<i>Copibry-</i>		<i>gusa</i>).	
<i>ophila</i>).		<i>angustipennis</i> Grote, 2660 (<i>Thera-</i>	
<i>angelica</i> Smith, 2415 (<i>Heliodes</i>).		<i>sea</i>).	
<i>angelica</i> Smith, 2186 (<i>Papaipema</i>).		<i>angustus</i> Walsingham, 4970.	
<i>angelicus</i> Smith, 2066 (<i>Cobaliodes</i>).		Ania	338
<i>angelina</i> Boisduval, 47.		<i>anicia</i> Doubleday & Hewitson, 151	
<i>anglicella</i> Stainton, 6390.		(<i>Lemonias</i>).	
<i>angrezi</i> Bailey, 4144.		<i>anicia</i> Scudder, 159 (<i>Lemonias</i>).	
<i>anguilineata</i> Grote, 3235.		<i>anilis</i> Drury, 2922.	

	Page.		Page.
<i>animalis</i> Guenée, 4275.		<i>antiacis</i> Boisduval, 418.	
<i>animosa</i> Hy. Edwards, 4249.		Antiblemma	236
Anisopteryx	267	<i>antibubastus</i> Hübner, 447.	
Anisota	75	<i>antica</i> Walker, 905 (Ammalo).	
<i>aniusaria</i> Walker, 3690.		<i>antica</i> Walker, 914 (Euchætias).	
<i>anna</i> Grote, 880 (Apantesis).		<i>antica</i> Smith, 1945 (Trichoclea).	
<i>anna</i> Grote, 2883 (Catocala).		<i>anticalis</i> Walker, 4807.	
<i>anna</i> Dyar, 4160 (Hypopta).		<i>anticaria</i> Walker, 3859 (Æthalop- tera).	
Annaphila	208	<i>anticaria</i> Walker, 3323 (Chloro- chlamys).	
<i>annaphilalis</i> Grote, 4366.		<i>anticaria</i> Walker, 3551 (Eois).	
<i>annellata</i> Hulst, 3427.		Anticarsia	235
Annemoria	298	<i>anticostalis</i> Grote, 4294.	
<i>annetta</i> Mead, 436.		<i>anticostiata</i> Strecker, 3462.	
<i>annera</i> Hy. Edwards, 2761 (Eucli- dia).		<i>anticostiensis</i> Grote, 3180 (Euthy- atira).	
<i>annera</i> Treitschke, 1550 (Feltia).		<i>anticostiensis</i> Strecker, 21 (Papilio).	
<i>annida</i> Fager, 2873.		<i>antidiscaria</i> Walker, 3949.	
<i>annir</i> Strecker, 1636.		<i>antigone</i> Strecker, 854.	
<i>annisaria</i> Walker, 3690.		<i>antiloehus</i> Linnaeus, 11.	
<i>annonæ</i> Shaw, 684.		<i>antinymphe</i> Hübner, 2884.	
<i>annosata</i> Zetterstedt, 3373.		<i>antiope</i> Linnaeus, 217.	
<i>annulalis</i> Grote, 3078.		<i>antiphola</i> Walsh, 919.	
<i>annulata</i> Hulst, 3285.		<i>antipoda</i> Strecker, 2138.	
<i>annulatella</i> Zetterstedt, 4725.		<i>antiqua</i> Linnaeus, 3187.	
<i>annulifascia</i> Walker, 923.		Antispila	539
<i>annulimacula</i> Smith, 2020.		<i>antonia</i> Edwards, 245.	
<i>annulipes</i> Smith, 1674.		Anydraula	396
<i>annulosella</i> Ragonot, 4753.		Anytus	149
<i>annulosum</i> Swainson, 664.		Aon	195
<i>anodonta</i> Guenée, 2205.		<i>aonides</i> Strecker, 3158.	
Anomis	205	<i>apache</i> Poling, 2911.	
Anoristia	427	<i>apacheana</i> Walsingham, 5199.	
<i>anormalis</i> Guenée, 4306.		Apæcasia	317
Anorthodes	110	<i>apama</i> Edwards, 381.	
Anorthosia	507	Apamea	113
Anosia	33	<i>apamiformis</i> Grote, 1221.	
<i>antægon</i> Boisduval, 434.		Apantesis	88
<i>antærus</i> Drury, 684.		Apatela	99
Antaplaga	183	Apatelodes	249
<i>antaurata</i> Walker, 3738.		Apatura	17
<i>anteliella</i> Busck, 5546.		<i>apera</i> Druce, 4054.	
<i>antennata</i> Smith, 1177 (Hadena).		<i>apertalis</i> Walker, 4351.	
<i>antennata</i> Walker, 2090 (Xylina).		Aphanaula	500
Antepione	346	Apharetra	105
<i>anteroelara</i> Smith, 1982.		Aphigalia	544
Anthanassa	21	Aphomia	413
Anthelia	316	Aphriassa	8
<i>anthracicoides</i> Grote & Robinson, 4528.		<i>aphrodite</i> Fabricius, 100.	
Anthomaster	51	<i>aphrodite</i> Chambers, 5653.	
Anthometria	298	<i>aphyla</i> Hampson, 4051.1.	
<i>anthyale</i> Hübner, 66.			

	Page.		Page.
<i>apiata</i> Grote, 2254.		<i>approximata</i> Strecker, 168 (<i>Lemonias</i>).	
<i>apicalis</i> Guenée, 2925 (<i>Grammodes</i>).		<i>approximata</i> Strecker, 2382 (<i>Schinia</i>).	
<i>apicalis</i> Walker, 3092 (<i>Melalopha</i>).		<i>approximella</i> Walker, 4911.	
<i>apicalis</i> Grote, 1532 (<i>Rhizagrotis</i>).		<i>aprica</i> Hubner, 2674.	
<i>apicalis</i> Grote & Robinson, 3152 (<i>Schizura</i>).		<i>apriliana</i> Grote, 5208.	
<i>apicana</i> Walker, 5256.		Aproerema 509	
<i>apicella</i> Grote, 2699 (<i>Fruva</i>).		<i>aptalis</i> Lederer, 4491.	
<i>apicella</i> Dyar, 6575 (<i>Pronuba</i>).		<i>aqualis</i> Grote, 1347.	
<i>apicialbella</i> Chambers, 6185.		<i>aquamarina</i> Felder, 2756.	
<i>apiciaria</i> Packard, 3943.		<i>aquilellus</i> Clemens, 4546.	
<i>apicilineella</i> Chambers, 5699.		<i>aquilo</i> Boisduval, 425.	
<i>apicimaculella</i> Chambers, 6456.		<i>aquilonaris</i> Lintner, 3164.	
<i>apicipunctella</i> Chambers, 5902.		<i>ar</i> Strecker, 2380.	
<i>apicistrigella</i> Chambers, 5699 (<i>Aproerema</i>).		<i>arabus</i> Edwards, 534.	
<i>apicistrigella</i> Chambers, 6414 (<i>Lyonetia</i>).		<i>arachne</i> Edwards, 183.	
<i>apicitripunctella</i> Clemens, 5596.		Arachnis 86	
<i>apicosa</i> Harvey, 2612.		<i>aracanthusalis</i> Walker, 3058.	
<i>apiella</i> Hubner, 5887.		Aræolepia 490	
<i>apiforme</i> Linnæus, 4188.		<i>arapahoe</i> Reakirt, 406.	
<i>apimaculella</i> Chambers, 6492.		<i>araxes</i> Hewitson, 458.	
<i>aplastella</i> Hulst, 4653.		<i>arbeloides</i> Dyar, 4150.	
<i>aplicalis</i> Guenée, 4301.		<i>arburaria</i> Walker, 4007.	
Aplocera 267		<i>arbustorum</i> Stephens, 4580.	
Aplodes 302		<i>arcanella</i> Clemens, 6602.	
Apocheima 329		<i>arcasaria</i> Walker, 4014.	
Apochima 329		<i>arcella</i> Fabricius, 6531.	
Apolema 315		<i>archasialis</i> Walker, 4302.	
Aporophila 169		<i>archesilea</i> Felder, 199.	
Apostraphia 32		<i>archippus</i> Cramer, 239 (<i>Basilarchia</i>).	
<i>appassionata</i> Harvey, 2191.		<i>archippus</i> Fabricius, 308 (<i>Anosia</i>).	
<i>appendiceum</i> Zeller, 5018.		Archips 478	
<i>applana</i> Fabricius, 5862.		Archonias 4	
<i>applanella</i> Fischer v. Röslerstamm, 5862.		<i>arcifera</i> Guenée, 2354.	
<i>apposita</i> Grote, 1416 (<i>Adelphagrotis</i>).		<i>arctaria</i> Herrich-Schæffer, 3390.	
<i>apposita</i> Smith, 2076 (<i>Pleroma</i>).		<i>arctata</i> Zeller, 3390.	
<i>approximaria</i> Packard, 3587 (<i>Aplodes</i>).		Arctia 92	
<i>approximaria</i> Haworth, 3625 (<i>Deilinia</i>).		<i>arctica</i> Möschler, 2507 (<i>Autographa</i>).	
<i>approximaria</i> Packard, 3816 (<i>Exelias</i>).		<i>arctica</i> Ottolengui, 2513 (<i>Autographa</i>).	
<i>approximaria</i> Dyar, 3933 (<i>Plagodis</i>).		<i>arctica</i> Zetterstedt, 137 (<i>Brenthis</i>).	
<i>approximaria</i> Hubner, 3805 (<i>Stenotrachelys</i>).		<i>arctica</i> Boisduval, 1235 (<i>Hadena</i>).	
<i>approximata</i> Strecker, 878 (<i>Apante sis</i>).		<i>arctica</i> Zetterstedt, 1417 (<i>Platagrotis</i>).	
		<i>arctica</i> Beutenmüller, 4204 (<i>Sesia</i>).	
		<i>arctica</i> Möschler, 5356.	
		<i>arcticaria</i> Walker, 3513 (<i>Leptomeris</i>).	
		<i>arcticaria</i> Germar, 3456 (<i>Petrophora</i>).	

	Page.		Page.
Arctiidae	81	<i>argenticinctella</i> Clemens, 5920.	
Arctomycis	99	<i>argenticostana</i> Walsingham, 5175.	
Arctonotus	71	<i>argentifera</i> Busck, 5583.	
<i>arctostaphylella</i> Walsingham, 5898.		<i>argentifimbriella</i> Clemens, 6258.	
<i>arcuata</i> Walker, 3229 (<i>Drepana</i>).		<i>argentifurcatana</i> Grote, 5083.	
<i>arcuata</i> Walker, 1167 (<i>Hadena</i>).		<i>argatilimitana</i> Robinson, 5446.	
Arcyonia	269	<i>argentilinea</i> Walker, 2714.	
<i>ardea</i> Edwards, 414.		<i>argentimaculella</i> Murtfeldt, 6150.	
<i>ardema</i> Reakirt, 201.		<i>argentinotella</i> Clemens, 6283 (<i>Litho-</i>	
<i>ardiferelta</i> Hulst, 4908.		colletes).	
<i>ardoris</i> Hubner, 2692.		<i>argentinotella</i> Chambers, 6547 (<i>Se-</i>	
<i>arefacta</i> Hy. Edwards, 2335.		mele).	
<i>arefactaria</i> Grote & Robinson, 3961.		<i>argenistrigella</i> Chambers, 6546.	
<i>areli</i> Strecker, 2675.		Argens	65
<i>arene</i> Edwards, 474.		<i>argillacea</i> Hübner, 2555 (<i>Alabama</i>).	
<i>arenella</i> Schiffermüller, 5877.		<i>argillacea</i> Walsingham, 5860 (<i>De-</i>	
<i>arenosaria</i> Haworth, 3625.		pressaria).	
<i>areolatus</i> Smith & Abbot, 298.		<i>argillacea</i> Packard, 806 (<i>Lexis</i>)	
Arequipa	404	<i>argillacearia</i> Packard, 3703.	
<i>ares</i> Edwards, 319.		<i>argillaceellus</i> Packard, 4556.	
<i>aretaria</i> Walker, 3766.		<i>argillaria</i> Hulst, 3951.	
<i>argalis</i> Fernald, 4398.		Argillophora	218
<i>argante</i> Fabricius, 54.		<i>argiolus</i> Smith & Abbot, 440.	
<i>arge</i> Drury, 882 (<i>Apantes</i>).		Argiope	568
<i>arge</i> Strecker, 128 (<i>Argynnis</i>).		<i>argus</i> Neumoegen & Dyar, 753.	
<i>argentana</i> Martyn, 421 (<i>Argyria</i>).		<i>arguta</i> Lederer, 4318.	
<i>argentana</i> Clerck, 5411 (<i>Tortrix</i>).		<i>argutana</i> Clemens, 5207.	
<i>argentata</i> Emmons, 4620 (<i>Argy-</i>		<i>argyllaria</i> Walker, 3902.	
ria).		Argynnis	13
<i>argentata</i> Packard, 930 (<i>Euschau-</i>		<i>argyralis</i> Hübner, 4287.	
sia).		<i>argyrana</i> Stephens, 5134.	
<i>argentata</i> Packard, 6604 (<i>Stheno-</i>		<i>argyreella</i> Dietz, 5964.	
pis).		Argyresthia	567
<i>argentatus</i> Wetherby, 4077 (<i>Euc-</i>		<i>argyreus</i> Stephens, 4580.	
clea).		Argyria	411
<i>argenteana</i> Walsingham, 5146.		<i>argyroelana</i> Zeller, 5056.	
<i>argentella</i> Chambers, 6029 (<i>Coleo-</i>		<i>argyrospila</i> Walker, 5365.	
phora).		Argyrotaenia	404
<i>argentella</i> Fabricius, 4580 (<i>Cram-</i>		<i>argyrothamniella</i> Busck, 5705.	
bis).		<i>argyrotoxus</i> Behr, 437.	
<i>argenteomaculatus</i> Harris, 6604.		<i>ariadne</i> Edwards, 65.	
<i>argenteonervella</i> Hulst, 4617.		<i>ariana</i> Boisduval, 258.	
<i>argenteostriata</i> Strecker, 4032.		<i>aricie</i> Cramer, 51.	
<i>argenteum</i> Kirby, 214.		<i>arida</i> Smith, 2679.	
<i>argentialbana</i> Walsingham, 5089.		<i>arictis</i> Grote, 1777.	
<i>argentialbella</i> Chambers, 5993 (<i>Co-</i>		<i>arioch</i> , Strecker, 1044.	
leophora).		<i>aristella</i> Busck, 5733.	
<i>argentialbella</i> Chambers, 6029 (<i>Co-</i>		<i>aristodemus</i> Esper, 15.	
leophora).		Aristotelia	498
<i>argentialbella</i> Chambers, 5783 (<i>Ge-</i>		<i>arizonæ</i> French, 2447.1 (<i>Basilodes</i>).	
lechis).		<i>arizonæ</i> Grote, 2838 (<i>Catocala</i>).	
<i>argenticiliella</i> Chambers, 5652.		<i>arizonæ</i> French, 3087 (<i>Gnophaela</i>).	

	Page.		Page.
<i>arizonæ</i> Beutenmüller, 4209 (<i>Sesia</i>).		<i>arthrolita</i> Harvey, 2037.	
<i>arizonæ</i> Hy. Edwards, 2684 (<i>Ta-</i>		<i>artonia</i> Edwards, 128.	
<i>rache</i>).		Arucha	42
<i>arizonana</i> Walsingham, 5416.		<i>arvalis</i> Hy. Edwards, 2594 (<i>Anna-</i>	
<i>arizonaria</i> Grote, 3595 (<i>Anaplo-</i>		<i>phila</i>).	
<i>arizonaria</i> Grote, 3616 (<i>Cloraspil-</i>		<i>arvalis</i> Grote, 2419 (<i>Axenus</i>).	
<i>ates</i>).		Arzama	17
<i>arizonaria</i> Hy. Edwards, 3998 (<i>Sten-</i>		Asaphodes	29
<i>aspilates</i>).		Asara	42
<i>arizonata</i> Grote, 3252.		Asciodes	37
<i>arizonella</i> Busck, 5716 (<i>Gelechia</i>).		<i>ashtaroth</i> Strecker, 278 (<i>Neomi-</i>	
<i>arizonella</i> Hulst, 4848 (<i>Hetero-</i>		<i>nois</i>).	
<i>graphis</i>).		<i>ashtaroth</i> Fischer, 95 (<i>Speyeria</i>).	
<i>arizonella</i> Ragonot, 4909 (<i>Martia</i>).		<i>asilipennis</i> Boisduval, 4183.	
<i>arizonella</i> Dietz, 5947 (<i>Pigritia</i>).		Asopia	39
<i>arizonellus</i> Walsingham, 6588 (<i>Ac-</i>		<i>asopialis</i> Guenée, 3059.	
<i>rolophus</i>).		<i>aspasia</i> Strecker, 2839.	
<i>arizonensis</i> Stretch, 885 (<i>Apantesis</i>).		<i>asperatella</i> Clemens, 4648.	
<i>arizonensis</i> Edwards, 236 (<i>Basil-</i>		<i>aspersa</i> Grote, 850 (<i>Alexicles</i>).	
<i>archia</i>).		<i>aspersa</i> Morrison, 1266 (<i>Polia</i>).	
<i>arizonensis</i> Edwards, 440 (<i>Cyani-</i>		<i>aspidana</i> Walsingham, 5147.	
<i>ris</i>).		Aspidisca	54
<i>arizonensis</i> Packard, 3201 (<i>Glo-</i>		<i>aspidiscana</i> Hübner, 5167.	
<i>veria</i>).		<i>aspilata</i> Guenée, 4011.	
<i>arizonensis</i> Edwards, 10 (<i>Papilio</i>).		<i>aspidodactylus</i> Walker, 4974.	
<i>arizonensis</i> Strecker, 764 (<i>Pseudo-</i>		<i>assectana</i> Hübner, 5169.	
<i>hazis</i>).		<i>assecoma</i> Druce, 4030.	
<i>arizonicum</i> Dyar, 4061.		<i>assimilans</i> Walker, 861.	
<i>armata</i> Grote, 1385.		<i>assimilis</i> Boisduval, 2430 (<i>Euthisa-</i>	
<i>armataria</i> Guenée, 3990.		<i>notia</i>).	
<i>armeniella</i> Frey & Boll, 5572.		<i>assimilis</i> Morrison, 1809 (<i>Mame-</i>	
<i>armiger</i> Hübner, 2300.		<i>tra</i>).	
<i>armillata</i> Hy. Edwards, 927.		<i>assimilis</i> Butler, 295 (<i>Oeneis</i>).	
<i>arna</i> Guenée, 1137.		<i>assimilis</i> Grote, 2599 (<i>Trichota-</i>	
<i>arnicella</i> Walsingham, 5859.		<i>rache</i>).	
<i>arogos</i> Boisduval & Le Conte, 572.		<i>assiniboia</i> Lyman, 487.	
<i>arota</i> Boisduval, 386.		<i>associans</i> Walker, 1514.	
Arotura	544	<i>associata</i> Walker, 3142.	
<i>arpa</i> Boisduval & Le Conte, 560..		<i>astarte</i> Doubleday and Hewitson, 144	
Arrhostia	295	(<i>Brenthis</i>).	
<i>arrogaria</i> Hulst, 3932.		<i>astarte</i> Doubleday, 3132 (<i>Hetero-</i>	
<i>arrosa</i> Harvey, 2962.		<i>campa</i>).	
<i>arsace</i> Boisduval & Le Conte, 374.		<i>astarte</i> Strecker, 730 (<i>Smerinthus</i>).	
<i>arsaltcalis</i> Walker, 4437.		<i>astarte</i> Fischer, 95 (<i>Speyeria</i>).	
<i>arsenaria</i> Walker, 4020.		<i>astenidia</i> Boisduval, 447.	
Arsilonche	105	<i>aster</i> Edwards, 435.	
Arta	400	<i>astericola</i> Frey and Boll, 6345.	
Artace	261	<i>asterius</i> Cramer, 22.	
<i>artemis</i> Packard, 759.		<i>asteroides</i> Guenée, 2127.	
<i>artemisæ</i> Hy. Edwards, 4199.		Asteroscopus	173
<i>artemisiana</i> Walsingham, 5174.		Asthena	275
<i>artemisicolella</i> Chambers, 5994.		<i>asthenaria</i> Walker, 3477.	
<i>arthemis</i> Fabricius, 237.		<i>astigma</i> Smith, 2140.	

	Page.		Page.
<i>astinuous</i> Drury, 23.		<i>atrifascialis</i> Hulst, 3380 (Mesolen- ca).	
<i>astoria</i> Hy. Edwards, 3092.		<i>atrifascialis</i> Hulst, 4647 (Tallula).	
<i>astraea</i> Edwards, 69.		<i>atrifasciata</i> Morrison, 1341.	
<i>astricta</i> Morrison, 1464.		<i>atrifera</i> Grote, 1741.	
<i>astrologana</i> Zeller, 5062.		<i>atrifrons</i> Grote, 1502.	
Astropometis 414		<i>atrilineella</i> Grote, 3030.	
<i>astur</i> Cramer, 941.		<i>atripennis</i> Grote, 799.	
<i>astyanax</i> Fabricius, 236.		<i>atriplicivora</i> Cockerell, 5995.	
<i>astylus</i> Drury, 733.		<i>atristrigata</i> Smith, 1596 (Paragro- tis).	
<i>astylusaria</i> Walker, 3963.		<i>atristrigatus</i> Smith, 1755 (Anytus).	
<i>astymone</i> Olivier, 770.		<i>atrites</i> Grote, 2366.	
<i>asychis</i> Cramer, 604.		<i>atritincta</i> Harvey, 2995.	
<i>atala</i> Poey, 325.		<i>atritrenosa</i> Palm, 3194.	
<i>atalanta</i> Linnaeus, 219.		<i>atrocolorata</i> Hulst, 4001 (Azelina).	
<i>atarah</i> Strecker, 2898.		<i>atrocoloratum</i> Grote, 3354 (Eustro- ma).	
Atascosa 438		<i>atrodentana</i> Fernald, 5020.	
<i>ate</i> Strecker, 221.		<i>atrodorsella</i> Clemens, 5854.	
<i>atergatis</i> Doubleday and Hewitson, 310.		<i>atrofasciata</i> Packard, 3662.	
<i>aterrima</i> Grote, 1363.		<i>atrofusca</i> Smith, 1713.	
<i>aterrimella</i> Walker, 6106.		<i>atrolinearia</i> Hulst, 3790.	
Atethmia 183		<i>atroliturata</i> Walker, 3237.	
<i>atha</i> Strecker, 1534.		<i>atropicta</i> Zeller, 5844 (Crypto- lechia).	
<i>athabasca</i> Neumoegen, 2800.		<i>atropicta</i> Hampson, 4506 (Scoparia).	
<i>athasiaria</i> Walker, 3909.		<i>atropulverea</i> Smith, 1685.	
Athena 25		<i>atropunctana</i> Zetterstedt, 5034.	
<i>athena</i> Strecker, 854.		<i>atropunctaria</i> Walker, 3759.	
<i>atherco</i> Harris, 3136.		<i>atropunctata</i> Packard, 3754.	
<i>atlantica</i> Smith, 2162 (Gortyna).		<i>atropurpuralis</i> Grote, 4465.	
<i>atlantica</i> Grote, 1792 (Mamestra).		<i>atropurpurea</i> Grote, 1711.	
<i>atlantis</i> Edwards, 102.		<i>atrosignata</i> Walker, 3708.	
Atlides 36		<i>atrupictella</i> Dietz, 5595.	
<i>atomaria</i> Walker, 3195.		Atrytone 49	
<i>atomariella</i> Zeller, 6332.		Attacapa 417	
<i>atomaris</i> Walker, 2540 (Ogdoconta).		<i>attalus</i> Edwards, 501.	
<i>atomaris</i> Smith, 1604 (Paragrotis).		<i>attenta</i> Grote, 1424.	
<i>atomaris</i> Hübner, 2915 (Phoberia).		<i>attenuatella</i> Walker, 6068.	
<i>atomosana</i> Walsingham, 5091.		<i>attenuatus</i> Grote, 4594.	
<i>atomosella</i> Zeller, 6346.		Atteva 490	
Atopocera 578		<i>attributella</i> Walker, 5608.	
<i>atossa</i> Edwards, 126.		<i>atritella</i> Walker, 5784.	
<i>atra</i> Grote, 1297.		<i>auburniana</i> Harris, 362.	
<i>atrata</i> Hy. Edwards, 954 (Pseuda- lypia).		<i>audentis</i> Smith, 1636.	
<i>atrata</i> Morrison, 1770 (Pteroscia).		<i>cafugella</i> Zeller, 5941.	
<i>atratalis</i> Harvey, 1750.		<i>auge</i> Linnaeus, 779.	
<i>atrella</i> Hulst, 4802.		<i>augias</i> Hübner, 515.	
<i>atrescens</i> Hulst, 3873.		<i>augmentanus</i> Zeller, 5206.	
<i>atriciliata</i> Grote, 1088.		<i>augusta</i> Hy. Edwards, 2844 (Cato- cala).	
<i>ricincta</i> Smith, 1504.			
<i>atricollaris</i> Haworth, 1361.			
<i>atricornis</i> Grote, 1257.			

Attacus calosamia = *Samia*.

augusta Edwards, 155 (*Lemonias*).
augustalis Grote, 4463.
augustana Hübner, 5228.
augustinus Westwood, 371.
augustus Kirby, 371 (*Incisalia*).
augustus Harvey, 1332 (*Oncocnemis*).
aulularia Grote, 3892.
aurantiaca Hübner, 834 (*Eubaphe*).
aurantiaca Hy. Edwards, 2598 (*Incita*).
aurantiacella Grote, 4710.
aurantiago Guenée, 2225.
aurantiana Walsingham, 5209.
auranticaria Packard, 4019.
auranticolor Grote, 1249.
auranticolorata Strecker, 3566.
aurata Butler, 906 (*Ammalo*).
aurata Grote, 3418 (*Cænocalpe*).
aurata Packard, 3373 (*Mesoleuca*).
auratalis Walker, 4529.
auratella Clemens, 4622.
auratus Grote, 6607 (*Sthenopsis*).
aurea Fitch, 5481 (*Atteva*).
aurea Pagenstecher, 4134 (*Dysodia*).
aurea Grote, 1306 (*Pseudanarta*).
aurella Fischer, 2872.
aureolbidana Walsingham, 5475.
aureofasciella Ragonot, 4859.
aureola Hy. Edwards, 4203.
aureolalis Hulst, 4348.
aureolum Hy. Edwards, 2453.
aureopurpurea Hy. Edwards, 4223.
auretorum Boisduval, 342.
auricapitana Walsingham, 5052.
auricinctaria Grote, 2730.
auricrinella Walsingham, 6622.
auricristatella Chambers, 6542.
auricyanea Walsingham, 6618.
aurifera Zeller, 4633.
auriferaria Hulst, 4031.
auriferella Frey & Boll, 6379.
aurifimbrialis Walker, 4585.
aurimaculella Chambers, 5785.
auriomarginata Cockerell, 215.
auripennis Butler, 904 (*Arctia*).
auripennis Grote, 2918 (*Siavana*).
aurisignana Zeller, 5289.
auristrigella Chambers, 6481.
aurivitta Grote & Robinson, 2720.
auronitens Frey & Boll, 6302.
auropulvella Chambers, 6491.
auropurpurella Chambers, 5996.

Page.

Aurora 457
aurora Smith & Abbot, 3155.
aurosea Neumoegen, 751.
aurosparsella Walsingham, 6620.
aurostriata Graef, 3157.
aurosuffusella Chambers, 6493.
aurotus Fabricius, 736.
aurulenta Smith, 1453.
ausonides Boisduval, 44.
ausonius Lintner, 622.
austerella Zeller, 6457.
australata Hulst, 3413.
australella Hulst, 4782.
australis Grote, 1074 (*Baileya*).
australis Edwards, 322 (*Calephelis*).
australis Hulst, 3549 (*Eois*).
australis Stretch, 4129 (*Harrisina*).
australis Maynard, 11 (*Papilio*).
australisella Chambers, 6297 (*Lithocolletes*).
australisella Chambers, 5924 (*Eco-phora*).
autholea Boisduval, 885.
Autocosmia 386
Autographa 199
autolycus Edwards, 337.
Automeris 73
Antoneda 496
autumnalis Cockerell, 65 (*Eurymus*).
autumnalis Stromeier, 3388 (*Hydriomena*).
autumnalis Riley, 1302 (*Laphygma*).
autumnaria Möschler, 3923.
autumnata Guenée, 3337 (*Epirrita*).
autumnata Packard, 3245 (*Paleacrita*).
auxiliaris Grote, 1517.
avernalis Grote, 4501.
aversus Hy. Edwards, 4125.
aria Hübner, 870.
arimacula Hudson, 3168.
aruncularia Guenée, 3610.
Axenus 194
axillaris Grote & Robinson, 653.
azulex Smith & Abbot, 681.
Azelina 344
Azenia 210
azif Strecker, 1626.
Azinaphora 333

Page.

457

386

199

73

496

194

344

210

333

	Page.		Page.
<i>azonalis</i> Walker, 4281.		<i>barberella</i> Busck, 5644 (Neodacty-	
<i>baal</i> Strecker, 99.		lota).	
Babaiaxa	526	<i>barberiana</i> Dyar, 4114.	
<i>babayaga</i> Strecker, 2837.		<i>barda</i> Hy. Edwards, 881.	
<i>baccata</i> Guenée, 3370.		<i>barnesi</i> Skinner, 194 (Phyciodes).	
<i>baccatalis</i> Hulst, 4357.		<i>barnesiella</i> Busck, 5747.	
<i>baccharisella</i> Busck, 5622.		<i>barnesii</i> Smith, 1033 (Apatela).	
<i>bachmani</i> Kirtland, 311.		<i>barnesii</i> Dyar, 6590 (Atopocera).	
Bactra	449	<i>barnesii</i> French, 2818 (Catocala).	
<i>badia</i> Grote & Robinson, 2885 (Ca-		<i>barnesii</i> Hulst, 3945 (Gonodontis).	
tocala).		<i>barnesii</i> Smith, 1189 (Hadena).	
<i>badia</i> Hy. Edwards, 3187 (Notolo-		<i>barnesii</i> Smith, 1356 (Oncocnemis).	
phus).		<i>barnesii</i> Beutenmüller, 4196 (San-	
<i>badia</i> Packard, 3153 (Schizura).		ninoidea).	
<i>badiana</i> Schiffermüller, 5245.		<i>barometricus</i> Goossens, 1759.	
<i>badiaria</i> Hy. Edwards, 3339.		<i>baroni</i> Edwards, 121 (Argynnis).	
<i>badicollis</i> Grote, 1426.		<i>baroni</i> Edwards, 258 (Cercyonis).	
<i>badiella</i> Chambers, 6436.		<i>baroni</i> Behrens, 6614 (Hepialus).	
<i>badinodis</i> Grote, 1451.		<i>baroni</i> Hy. Edwards, 156 (Lemo-	
<i>badiocapitella</i> Chambers, 6186.		nias).	
<i>badiomaculella</i> Chambers, 5786.		<i>baroni</i> Fish, 4986 (Pterophorus).	
<i>badipennis</i> Grote, 4436.		<i>basaliata</i> Walker, 3390.	
<i>badistriga</i> Grote, 1312.		<i>basalis</i> Grote, 2887 (Catocala).	
<i>badiusalis</i> Walker, 4492.		<i>basalis</i> Walker, 4149 (Inguromor-	
<i>baicalcata</i> Bremer, 3450.		pha).	
Baileya	107	<i>basalis</i> Grote, 1716 (Paragrotis).	
<i>baileyana</i> Grote, 1417.		<i>basalis</i> Walker, 4507 (Scoparia).	
<i>baileyi</i> Grote, 2108.		<i>basiaria</i> Walker, 3619.	
<i>bairdii</i> Edwards, 17.		<i>basiata</i> Packard, 3619.	
<i>balba</i> Grote, 2342.		<i>basicinerea</i> Grote, 2649.	
<i>balder</i> Boisduval, 292.		<i>basifasciella</i> Zeller, 5561.	
<i>baldur</i> Edwards, 1.		<i>basiflava</i> Packard, 3194 (Olene).	
<i>balinitis</i> Grote, 1524.		<i>basiflava</i> Smith, 1703 (Paragrotis).	
<i>baliola</i> Morrison, 2160.		<i>basigera</i> Walker, 2518.	
<i>balistaria</i> Hübner, 3533.		Basilarchia	25
<i>balluca</i> Geyer, 2476.		<i>basilarella</i> Dietz, 5940.	
Balsa	109	<i>basilaris</i> Zeller, 4767 (Salebria).	
<i>baltearia</i> Hulst, 3784.		<i>basilaris</i> Zeller, 6107 (Scythris).	
<i>balteata</i> Kirtland, 664 (Ællopos).		<i>basilnea</i> Schiffermüller, 1208.	
<i>balteata</i> Smith, 1359 (Oncocnemis).		Basilodes	196
<i>balteata</i> Smith, 2652 (Tripudia).		Basilona	76
<i>balteolata</i> Herrich-Schaeffer, 4030.		<i>basimaculella</i> Ragonot, 4839.	
<i>baltimoralis</i> Guenée, 3065.		<i>basiochrealis</i> Grote, 4640.	
<i>banavahrata</i> Strecker, 3397.		<i>basiplagana</i> Walsingham, 5412.	
Bandera	440	<i>basipunctana</i> Walsingham, 5093.	
<i>banksiella</i> Busck, 5636.		<i>basipunctaria</i> Walker, 3551.1.	
<i>baptisia</i> Bird, 2177.		<i>basistrigella</i> Chambers, 5997 (Coleo-	
<i>baptisiella</i> Fernald, 4654.		phora).	
<i>baracou</i> Lucas, 527.		<i>basistrigella</i> Clemens, 6301 (Litho-	
Barathra	157	colletes).	
<i>barbara</i> Hy. Edwards, 67.		<i>basistrigella</i> Zeller, 5560 (Telphusa).	
<i>barberella</i> Busck, 5888 (Depressa-		<i>basitriens</i> Walker, 3116.	
ria).		<i>basquella</i> Chambers, 5729.	

	Page.		Page.
<i>bassettella</i> Clemens, 5918.		<i>belfragecella</i> Chambers, 6187 (Nepti- cula).	
<i>bassiformis</i> Walker, 4207.		<i>belfragei</i> Fish, 4958 (Alucita).	
<i>b-ata</i> Goeze, 890.		<i>belfragei</i> Grote, 3139 (Chytolita).	
<i>batabano</i> Lefèvre, 575.		<i>belfragei</i> Stretch, 834 (Eubaphe).	
<i>batanella</i> Busek, 5637.		<i>belfragei</i> Grote, 3048 (Renia).	
<i>batesi</i> Felder, 4322 (Diaphania).		<i>belfragei</i> Smith, 1394 (Rhyncha- grotis).	
<i>batesii</i> Reakirt, 190 (Phyciodes).		<i>belfragesella</i> Chambers, 5574.	
<i>bathyllus</i> Smith & Abbot, 599.		<i>belfragiana</i> Harvey, 2910.	
Batrachetra	534	<i>belialis</i> Druce, 4388.1.	
<i>battoides</i> Behr, 429.		<i>bella</i> Chambers, 6553 (Adela).	
<i>beani</i> Skinner, 151 (Lemonias).		<i>bella</i> Walsingham, 5998 (Coleo- phora).	
<i>beaniana</i> Grote, 2849.		<i>bella</i> Chambers, 6099 (Heliodines).	
<i>beanii</i> Grote, 1820 (Mamestra).		<i>bella</i> Grote, 1828 (Mamestra).	
<i>beanii</i> Neumoegen, 868 (Neoarctia).		<i>bella</i> Linnaeus, 836 (Utetheisa).	
<i>beanii</i> Elwes, 295 (Eneis).		<i>bella</i> Hulst, 4825 (Zophodia).	
<i>beata</i> Grote, 1514.		<i>belladonna</i> Hy. Edwards, 2398 (Dysocnemis).	
<i>beckeri</i> Edwards, 33.		<i>belladonna</i> Petiver, 220 (Vanessa).	
Bedellia	557	<i>bellula</i> Walker, 6554 (Adela).	
Begoe	505	<i>bellula</i> Walker, 5575 (Aristotelia).	
<i>behrensaria</i> Hulst, 3638.		<i>bellicula</i> Hübner, 2622.	
<i>behrensata</i> Packard, 4002 (Azelina).		<i>bellona</i> Fabricius, 141.	
<i>behrensata</i> Packard, 3312 (Tephro- clystis).		<i>bellulalis</i> Hulst, 4458.	
<i>behrensella</i> Chambers, 6347 (Gra- cilaria).		Bellura	173
<i>behrensella</i> Chambers, 6494 (Tinea).		<i>bellus</i> Edwards, 530.	
<i>behrensellus</i> Fernald, 4586 (Cram- bus).		<i>belmaria</i> Ehrman, 832.	
<i>behrensi</i> Grote, 1327 (Oncoenemis).		Belnoptera	361
Behrensia	203	<i>belusalis</i> Walker, 4303.	
<i>behrensiana</i> Grote, 2049.		Bembecia	366
<i>behrensi</i> Edwards, 112 (Argynnis).		<i>beneficentella</i> Murtfeldt, 5770.	
<i>behrensi</i> Stretch, 6613 (Hepialus).		<i>benesignata</i> Harvey, 3003.	
<i>behrensi</i> Hy. Edwards, 3123 (Na- data).		<i>benigna</i> Hulst, 3718 (Cymatophora).	
<i>behrensi</i> Hy. Edwards, 4242 (Sesia).		<i>benigna</i> Hy. Edwards, 1171 (Ha- dena).	
<i>behrii</i> Stretch, 888 (Apantesis).		<i>benignalis</i> Walker, 3065.	
<i>behrii</i> Edwards, 370 (Callipsyche).		Benta	415
<i>behrii</i> Edwards, 77 (Eurymus).		<i>bentleyana</i> Donovan, 5076.	
<i>behrii</i> Edwards, 418 (Nomiades).		<i>berenice</i> Cramer, 309.	
<i>behrii</i> Edwards, 2 (Parnassius).		<i>bergii</i> Möschler, 4297.3.	
<i>behrii</i> Smith, 2683 (Tarache).		<i>bergmanniana</i> Linnaeus, 5401.	
Bejuda	399	<i>bernardino</i> Edwards, 60.	
<i>bela</i> Grote, 783.		<i>bertholdi</i> Grote, 4154.	
<i>belangerella</i> Chambers, 6460 (Ar- gyresthia).		Bertholdia	96
<i>belangerella</i> Chambers, 5563 (Tel- phusa).		<i>bertrami</i> Raessler, 4956.	
<i>belangeri</i> Morrison, 2232.		<i>beskei</i> Hübner, 3172.1.	
<i>belfragana</i> Zeller, 5331.		Bessula	184
<i>belfragecella</i> Chambers, 6348 (Graci- aria).		<i>bethunei</i> Grote & Robinson, 2097.	
		<i>bethuniella</i> Chambers, 6326.	
		<i>betulae</i> Riley, 989.	

Page.			Page.
	<i>betulella</i> Hulst, 4693 (<i>Acrobasis</i>).		<i>bifasciella</i> Chambers, 6329 (<i>Litho-</i>
	<i>betulella</i> Busck, 5886 (<i>Depressaria</i>).		<i>colletes</i>).
	<i>betulella</i> Busck, 5562 (<i>Telphusa</i>).		<i>bifasciella</i> Chambers, 6151 (<i>Mom-</i>
	<i>betuliperda</i> Dyar, 5537.		<i>pha</i>).
	<i>betulirora</i> Walsingham, 6328.		<i>bifasciella</i> Chambers, 6188 (<i>Nepti-</i>
	<i>beutenmuelleri</i> Hy. Edwards, 4090.		<i>cula</i>).
	<i>bianca</i> Hy. Edwards, 2826.		<i>bifasciella</i> Hulst, 4769 (<i>Salebria</i>).
	<i>biangulana</i> Walsingham, 5230.		<i>bifasciella</i> Chambers, 6548 (<i>Semele</i>).
	<i>biannulella</i> Chambers, 5743.		<i>bifasciella</i> Chambers, 6130 (<i>Thei-</i>
	<i>biarcuana</i> Stephens, 5260.		<i>soa</i>).
	<i>bibularia</i> Grote & Robinson, 3909.		<i>biferalis</i> Walker, 3040.
	<i>bicarpa</i> Guenée, 1478.		<i>bifida</i> Packard, 4077.
	<i>biclaria</i> Walker, 4005.		<i>bifidalis</i> Grote, 3055 (<i>Gaberasa</i>).
	<i>biclavis</i> Grote, 1597.		<i>bifidalis</i> Fabricius, 4352 (<i>Loxostege</i>).
	<i>bicollaris</i> Grote, 1587.		<i>bifidella</i> Dietz, 5570.
	<i>bicolor</i> Harris, 772 (<i>Adelocephala</i>).		<i>bifilata</i> Walker, 3590 (<i>Aplodes</i>).
	<i>bicolor</i> Walker, 865 (<i>Diacrisia</i>).		<i>bifilata</i> Hulst, 3631 (<i>Deilinia</i>).
	<i>bicolor</i> Grote, 806 (<i>Lexis</i>).		<i>bifiria</i> Hy. Edwards, 3092.
	<i>bicolor</i> Frey & Boll, 6432 (<i>Tisch-</i>		<i>biflarimaculella</i> Clemens, 6495.
	<i>eria</i>).		<i>biformata</i> Hy. Edwards, 2746.
	<i>bicolorago</i> Guenée, 2222.		<i>bifurcalis</i> Snellen, 4282.
	<i>bicoloralis</i> Guenée, 4414.		<i>bigutta</i> Schaeffer, 4391.
	<i>bicoloraria</i> Packard, 3616.		<i>biguttata</i> Packard, 4094 (<i>Cochli-</i>
	<i>bicolorata</i> Fabricius, 3737 (<i>Cymato-</i>		<i>dion</i>).
	<i>phora</i>).		<i>biguttatus</i> Packard, 3148 (<i>Schizura</i>).
	<i>bicolorata</i> Minot, 3604 (<i>Eufidonia</i>).		<i>bijugalis</i> Walker, 3066.
	<i>bicolorata</i> Borkhausen, 3387 (<i>Hy-</i>		<i>bilinearia</i> Packard, 3960.
	<i>driomena</i>).		<i>bilineata</i> Smith, 2960 (<i>Campome-</i>
	<i>bicolorata</i> Grote, 1990 (<i>Neleucania</i>).		<i>tra</i>).
	<i>bicolorella</i> Hulst, 4898 (<i>Atascosa</i>).		<i>bilineata</i> Packard, 3231 (<i>Falcaria</i>).
	<i>bicolorella</i> Chambers, 6295 (<i>Litho-</i>		<i>bilineata</i> Packard, 3142 (<i>Hetero-</i>
	<i>colletes</i>).		<i>campa</i>).
	<i>bicostomaculella</i> Chambers, 5755		<i>bilineatella</i> Ragonot, 4676.
	(<i>Gelechia</i>).		<i>biliturellus</i> Zeller, 4604.
	<i>bicostomaculella</i> Chambers, 5609		<i>billonaria</i> Strecker, 3593.
	(<i>Recurvaria</i>).		<i>biloba</i> Stephens, 2485.
	<i>bicristatella</i> Chambers, 6077 (<i>Ela-</i>		<i>bilunata</i> Grote, 1101.
	<i>chista</i>).		<i>bimacula</i> Grote & Robinson, 555.
	<i>bicristatella</i> Chambers, 6094 (<i>Lym-</i>		<i>bimaculana</i> Donovan, 5143 (<i>Eucos-</i>
	<i>næcia</i>).		<i>ma</i>).
	<i>bicuspidata</i> Smith, 2359.		<i>bimaculana</i> Robinson, 5471 (<i>Phar-</i>
	<i>bicycla</i> Packard, 1932.		<i>macis</i>).
	<i>bidens</i> Zeller, 4569.		<i>bimaculata</i> Gmelin, 949 (<i>Alypia</i>).
	<i>bidentata</i> Walker, 3124.		<i>bimaculata</i> Herrich-Schaeffer, 953
	<i>bidiscomaculella</i> Chambers, 5670.		(<i>Alypiodes</i>).
	<i>bifascia</i> Hübner, 2338.		<i>bimaculata</i> Stephens, 2483 (<i>Auto-</i>
	<i>bifascialis</i> Robinson, 4499.		<i>grapha</i>).
	<i>bifasciata</i> Walsingham, 5510 (<i>Gly-</i>		<i>bimaculata</i> Saunders, 834 (<i>Eu-</i>
	<i>phipteryx</i>).		<i>baphe</i>).
	<i>bifasciata</i> Smith, 1648 (<i>Paragrotis</i>).		<i>bimaculella</i> Chambers, 5720 (<i>Gele-</i>
	<i>bifasciata</i> Bates, 2941 (<i>Phurys</i>).		<i>chia</i>).
	<i>bifasciella</i> Busck, 5581 (<i>Aristotelia</i>).		<i>bimaculella</i> Chambers, 6496 (<i>Tinea</i>).

	Page.		Page.
<i>bimaculella</i> Chambers, 5690 (Ypsolophus).		<i>bistriatella</i> Hulst, 4676 (Myelois).	
<i>bimarginalis</i> Grote, 1400.		<i>bistriatella</i> Hulst, 4786 (Pyla).	
<i>bimatrix</i> Harvey, 2280.		<i>bistriga</i> Smith, 2135.	
<i>biminimaculella</i> Chambers, 5999 (Coleophora).		<i>bistrigata</i> Hübner, 2944.	
<i>biminimaculella</i> Chambers, 5758 (Gelechia).		<i>bistrigella</i> Chambers, 6001 (Coleophora).	
<i>bina</i> Guenée, 2413.		<i>bistrigella</i> Chambers, 5787 (Gelechia).	
<i>binocula</i> Grote, 2686.		<i>bistriolata</i> Zeller, 3387.	
<i>binodulalis</i> Zeller, 4517.		<i>bisulca</i> Grote, 1888.	
<i>binominalis</i> Smith, 1411.		<i>bitactata</i> Walker, 3706.	
<i>binotata</i> Walker, 1155.		<i>biundata</i> Walker, 3140.	
<i>binotella</i> Zeller, 4918.		<i>biundulata</i> Zeller, 2274 (Antaplaga).	
<i>biothanatalis</i> Hulst, 4586.		<i>biundulata</i> Smith, 2330 (Schinia).	
<i>bipartita</i> Smith, 2574.		<i>biviella</i> Zeller, 6557.	
<i>bipartitana</i> Clemens, 5071.		<i>bivittata</i> Clemens, 897 (Ectypia).	
<i>bipartitella</i> Ragonot, 4912.		<i>bivittata</i> Grote, 3034 (Hormisa).	
<i>biplaga</i> Walker, 2613 (Frastria).		<i>bivittata</i> Hulst, 3310 (Tephroclystis).	
<i>biplaga</i> Guenée, 2673 (Tarache).		<i>blakeana</i> Grote, 5221.	
<i>biplagata</i> Walsingham, 5148.		<i>blakei</i> Grote, 887 (Apantesia).	
<i>biplagialis</i> Walker, 4507.		<i>blakei</i> Maynard, 89 (Eurema).	
<i>bipuncta</i> Morrison, 2562.		<i>blancardella</i> Fabricius, 6270.	
<i>bipunctalis</i> Fabricius, 4344.		<i>blanda</i> Grote, 1442 (Metalepsis).	
<i>bipunctatus</i> Möschler, 4968.		<i>blanda</i> Grote, 2210 (Pseudoglæa).	
<i>bipunctella</i> Chambers, 6129 (Aetia).		<i>blandana</i> Clemens, 5379.	
<i>bipunctella</i> Walsingham, 6000 (Coleophora).		<i>blandella</i> Clemens, 6349.	
<i>bipunctella</i> Walker, 5106 (Eucosma).		<i>blandula</i> Hulst, 2892.	
<i>bipunctellus</i> Zeller, 4581 (Crambus).		Blastobasidæ 526	
<i>bipunctellus</i> Walsingham, 5681 (Ypsolophus).		Blastobasis 528	
<i>bipunctina</i> Guenée, 2555.		<i>blenina</i> Hewitson, 359.	
<i>bipustulana</i> Walker, 5217.		<i>blepharana</i> Herrich-Schaeffer, 5291.	
<i>biquadrana</i> Walsingham, 5110.		Blepharocera 526	
<i>birivata</i> Borkhausen, 3387.		Blepharomastix 376	
<i>bischoffii</i> Edwards, 128 (Argynnis).		Bleptina 244	
<i>bischoffii</i> Zeller, 4956 (Platyptilia).		Boarmia 325	
<i>biscolorella</i> Chambers, 5567.		Bocchoris 374	
<i>bisecta</i> Lintner, 774.		<i>bochus</i> Morrison, 1588.	
<i>biseliella</i> Zeller, 6487.		<i>bodicella</i> Chambers, 6436.	
<i>biseriata</i> Packard, 3225 (Eudeileia).		<i>boisduvaliana</i> Felder, 82.	
<i>biseriata</i> Herrich-Schaeffer, 3248 (Eudule).		<i>boisduvaliella</i> Guenée, 4793.	
<i>bisignata</i> Walker, 3678.		<i>boisduvalii</i> Felder, 53 (Aphrissa).	
<i>bisselliella</i> Hummel, 6487.		<i>boisduvalii</i> Duponchel, 137 (Brenthis).	
<i>bistriaria</i> Packard, 3557 (Annemoria).		<i>boisduvalii</i> Butler, 848 (Leptarctia).	
<i>bistriaria</i> Hübner, 3590 (Aplodes).		<i>boisduvalii</i> Harris, 288 (Satyroides).	
<i>bistriaris</i> Geyer, 2571 (Doryodes).		<i>bolanderana</i> Walsingham, 5081.	
<i>bistriaris</i> Hübner, 2921 (Parallelia).		<i>bolanderi</i> Strecker, 887.	
<i>bistriatella</i> Hulst, 4900 (Cayuga).		<i>bolliella</i> Dyar, 6312.	
		<i>bollii</i> Grote, 1457 (Agrotis).	
		<i>bollii</i> Zeller, 4816 (Melitara).	
		<i>bollii</i> Hy. Edwards, 4207 (Sesia).	
		<i>bollii</i> Edwards, 180 (Thessalia).	

	Page.		Page.
<i>bolterellus</i> Fernald, 4592.		<i>boreata</i> Hübner, 3238 (Opherop- tera).	
<i>bolteri</i> Hy. Edwards, 933 (Æmilia).		<i>borkhausenii</i> Zeller, 5922.	
<i>bolteri</i> Stretch, 909 (Euchætiæ).		<i>borus</i> Boisduval, 340.	
<i>bolteri</i> Smith, 1870 (Mamestra).		<i>boscana</i> , Fabricius, 5303.	
<i>bolteri</i> Smith, 1510 (Noctua).		<i>bosquilla</i> Chambers, 5729 (Gele- chia).	
<i>bolteri</i> Hy. Edwards, 4213 (Sesia).		<i>bosquilla</i> Chambers, 6350 (Gracila- ria).	
<i>bolteri</i> Hulst, 3302.1 (Tephroclystis).		<i>bosquilla</i> Chambers, 6229 (Opos- tega).	
<i>bolteri</i> Hulst, 3890 (Tracheops).		<i>bostonica</i> Frey & Boll, 6319.	
Bombycia	259	<i>bostoniensis</i> Grote, 1631.	
Bombycidæ	263	<i>botrana</i> Schiffermüller, 5005.	
<i>bombyciformis</i> Smith, 1376 (Euto- lype).		<i>boucardi</i> Druce, 751 (Automeris).	
<i>bombyciformis</i> Walker, 4183 (Me- mythrus).		<i>boucardi</i> Godman & Salvin, 187 (Phyciodes).	
<i>bombycina</i> Zeller, 6584.		Brachiloma	544
Bombycoidea	76	<i>brachiolum</i> Harvey, 1819.	
<i>bombycoides</i> Walker, 725.		<i>brachyelytrifoliella</i> Chambers, 6078.	
Bombyx	263	<i>brackenridgella</i> Busek, 5794.	
Bomolocha	246	<i>bracteata</i> Fernald, 5271.	
<i>bonifata</i> Hulst, 3521.		Bradypetes	290
<i>bonifatellus</i> Hulst, 4600.		<i>branderiana</i> Haworth, 5359.	
<i>bonuscula</i> Smith, 2074.		<i>brannani</i> Stretch, 946.	
<i>bonusculalis</i> Hulst, 4590.		<i>brasiella</i> Fitch, 5503.	
<i>boopis</i> Behr, 258.		<i>brassica</i> Riley, 2496.	
<i>bootes</i> Boisduval, 295.		<i>bredowii</i> Hübner, 243.	
<i>boothii</i> Curtis, 64.		<i>bremnerii</i> Edwards, 108.	
<i>bore</i> Hübner, 295.		<i>brenda</i> Edwards, 281.	
<i>borea</i> Guenée, 1233.		<i>brennus</i> Godman & Salvin, 616.	
<i>borealis</i> Smith, 2146 (AsteroSCO- pus).		Brenthia	494
<i>borealis</i> Grote & Robinson, 321 (Ca- lephelis).		Brenthis	15
<i>borealis</i> Smith, 1371 (Copipanolis).		Brephidium	46
<i>borealis</i> Hulst, 3620 (Deilinia).		Brephineæ	349
<i>borealis</i> Grote, 4637 (Epipaschia).		<i>brephoides</i> Walker, 4040.	
<i>borealis</i> Smith, 3016 (Epizeuxis).		Brephos	349
<i>borealis</i> Boisduval, 3161 (Harpyia).		<i>brettoides</i> Edwards, 516.	
<i>borealis</i> Fitch, 3190 (Hemero- campa).		<i>brettus</i> Boisduval & Le Conte, 516.	
<i>borealis</i> Möschler, 872 (Hyphoraia).		<i>brevicauda</i> Saunders, 21.	
<i>borealis</i> Hulst, 3452 (Petrophora).		<i>brevicornis</i> Walker, 834.	
<i>borealis</i> Staudinger, 860 (Phragma- tobia).		<i>brevicrista</i> Dyar, 3212.	
<i>borealis</i> Grote, 38 (Pontia).		<i>breviornatalis</i> Grote, 4642.	
<i>borealis</i> Packard, 4453 (Pyrausta).		<i>breviornatana</i> Clemens 5349.	
<i>borealis</i> Lefèvre, 4510 (Scoparia).		<i>brevipennis</i> Stretch, 2429 (Euthisa- notia).	
<i>borealis</i> Hulst, 3286 (Tephroclys- tis).		<i>brevipennis</i> Smith, 1577 (Paragro- tis).	
<i>boreana</i> Zetterstedt, 5409.		<i>brevirostralis</i> Grote, 3041.	
<i>boreasella</i> Chambers, 5921 (Eco- phora).		<i>brevis</i> Grote, 2366.	
<i>boreasella</i> Clemens, 6389 (Ornix).		<i>brevistriga</i> Chambers, 6110.	
<i>boreata</i> Packard, 3259 (Carsia).		<i>brevistrigella</i> Chambers, 6110.	
		<i>brevitella</i> Clemens, 6152.	

	Page.		Page.
<i>brewsteriana</i> Robinson, 5307.		<i>brunneicollis</i> Grote, 1391.	
<i>bridghami</i> Grote & Robinson, 1149.		<i>brunneicrista</i> Smith, 1281.	
<i>brillians</i> Ottolengui, 2121.1 (<i>Calocampa</i>).		<i>brunneifasciata</i> Packard, 3336.	
<i>brillians</i> Neumoegen, 2425 (<i>Eupseudomorpha</i>).		<i>brunneigera</i> Morrison, 1659.	
<i>brillians</i> Barnes, 1285 (<i>Feralia</i>).		<i>brunneipennis</i> Grote, 1393 (<i>Rhynchagrotis</i>).	
<i>briseis</i> Edwards, 2854.		<i>brunneipennis</i> Hy. Edwards, 4201 (<i>Sesia</i>).	
<i>brizo</i> Boisduval & Le Conte, 617.		<i>brunneipennis</i> Hulst, 3293 (<i>Tephroclystis</i>).	
<i>brocha</i> Morrison, 1588.		<i>brunneogrisea</i> Hy. Edwards, 4331.	
Bronchelia	328	<i>brunneolineata</i> Hulst, 3919.	
<i>brontes</i> Drury, 694 (<i>Diludia</i>).		<i>brunneomaculata</i> Bates, 3377.	
<i>brontes</i> Denis & Schiffermüller, 469 (<i>Pamphila</i>).		<i>brunneus</i> Busck, 5646 (<i>Prostomeus</i>).	
Brotis	349	<i>bryonia</i> Ochseneheimer, 38.	
Brotolomia	177	Bryophila	106
<i>bruceata</i> Hulst, 3240.		<i>bububattalis</i> Hulst, 4396.	
<i>brucei</i> Hulst, 4728 (<i>Ambesa</i>).		Bucculatrix	548
<i>brucei</i> Smith, 2117 (<i>Calocampa</i>).		<i>bucephaloides</i> Walsingham, 5198.	
<i>brucei</i> French, 4143 (<i>Cossus</i>).		<i>bucephalus</i> Stephens, 515.	
<i>brucei</i> Elwes, 273 (<i>Erebia</i>).		<i>bucetum</i> Grote, 2947.	
<i>brucei</i> French, 654 (<i>Hemaris</i>).		<i>budea</i> Hübner, 855.	
<i>brucei</i> Edwards, 151 (<i>Lemonias</i>).		<i>buffaloensis</i> Grote, 656 (<i>Hemaris</i>).	
<i>brucei</i> Hy. Edwards, 3097 (<i>Melalopha</i>).		<i>buffaloensis</i> Grote, 2196 (<i>Ochria</i>).	
<i>brucei</i> Hy. Edwards, 867 (<i>Neoarctia</i>).		<i>bullula</i> Grote, 2554.	
<i>brucei</i> Edwards, 295 (<i>Eneis</i>).		<i>bunkeri</i> Grote, 2872.	
<i>brucei</i> Edwards, 17 (<i>Papilio</i>).		<i>bunteana</i> Robinson, 5452.	
<i>brucei</i> Fernald, 4963 (<i>Pterophorus</i>).		<i>burgessi</i> Morrison, 1214.	
<i>brucei</i> Smith, 2345 (<i>Schinia</i>).		<i>burgessiana</i> Zeller, 5248.	
Bruceia	80	<i>burgessiella</i> Zeller, 6378.	
<i>brullei</i> Lefèvre, 3444.		<i>buristriga</i> Chambers, 6110.	
<i>brumella</i> Clemens, 5788.		<i>burseræ</i> Dyar, 2543.	
<i>brumosa</i> Guenée, 1026.		<i>burserella</i> Busck, 6383.	
<i>brunnea</i> Stretch, 795 (<i>Ctenucha</i>).		Busckia	563
<i>brunnea</i> Grote & Robinson, 3133 (<i>Heterocampa</i>).		<i>busckiella</i> Kearfott, 5523.	
<i>brunnea</i> Strecker, 855 (<i>Hyphantria</i>).		Butalis	537
<i>brunnea</i> Walsingham, 6536 (<i>Phryganeopsis</i>).		<i>butlerii</i> Edwards, 137.	
<i>brunnearia</i> Packard, 3590 (<i>Aploides</i>).		<i>butyrosa</i> Butler, 4415.	
<i>brunnearia</i> Packard, 3709 (<i>Cymatophora</i>).		<i>buxea</i> Grote, 2263.	
<i>brunneata</i> Packard, 3709 (<i>Cymatophora</i>).		Buzala	399
<i>brunneata</i> Thunberg, 3695 (<i>Macaria</i>).		<i>byssinella</i> Hübner, 5500.	
<i>brunneata</i> Packard, 3379 (<i>Mesoleuca</i>).		Byssodes	349
<i>brunneiciliata</i> Packard, 3372.		<i>byssus</i> Edwards, 562.	
		<i>cabelus</i> Edwards, 493.	
		Cabera	305
		<i>caberata</i> Guenée, 4020.	
		Caberodes	345
		<i>cablei</i> von Reizenstein, 728.	
		<i>cacabella</i> Hulst, 4776.	
		Cacelice	545
		Cacœcia	478
		Caconome	563
		Cacozelia	414

INDEX TO SPECIFIC, GENERIC, AND FAMILY NAMES. 603

	Page.		Page.
<i>alis</i> Walker, 3040.		<i>Calera</i>	441
<i>aria</i> Packard, 3498.		<i>Calessia</i>	371
<i>ata</i> Morrison, 3498.		<i>calgariana</i> Smith, 1983.	
<i>ma</i> Grote, 906 (<i>Annalis</i>).		<i>calgary</i> Smith, 1508.	
<i>ma</i> Strecker, 309 (<i>Hypo-</i>		<i>Calidota</i>	95
<i>a</i>).		<i>californiae</i> Walsingham, 5515 (<i>Gly-</i>	
Guenée, 3171		<i>phipteryx</i>)	
Grote, 2610		<i>californiae</i> Walker, 848 (<i>Leptaretia</i>).	
<i>a</i> Walker, 3069.		<i>californiama</i> Walsingham, 5333	
recker, 847.		(<i>Epapoge</i>).	
Warren, 4289 (<i>Diastictis</i>).		<i>californiama</i> Ménétries, 65 (<i>Eury-</i>	
Walker, 4510 (<i>Scoparia</i>).		<i>mus</i>).	
Zeller, 5759		<i>californiaria</i> Packard, 3797 (<i>Alcis</i>).	
<i>a</i> Zeller, 4400.		<i>californiaria</i> Packard, 3760 (<i>Ene-</i>	
Hulst, 3925.		<i>mera</i>).	
rote, 1632		<i>californiaria</i> Packard, 3550 (<i>Eois</i>).	
Linnaeus, 320.		<i>californiaria</i> Herrich-Schaeffer,	
<i>ia</i>	220	3772 (<i>Platsea</i>)	
Grote, 2756 (<i>Drasteria</i>).		<i>californiaria</i> Packard, 3652 (<i>Scia-</i>	
Godman & Salvin, 228		<i>graphia</i>).	
<i>ica</i>).		<i>californiata</i> Packard, 3550 (<i>Eois</i>).	
<i>ia</i> Walsingham, 5277		<i>californiata</i> Packard, 3333 (<i>Euc-</i>	
<i>ena</i> Holland, 97.		<i>chacea</i>).	
Freyer, 3373.		<i>californiata</i> Packard, 3391 (<i>Hydrio-</i>	
<i>na</i> Zeller, 5071		<i>mena</i>).	
Hulst, 3668.		<i>californiata</i> Packard, 3456 (<i>Petro-</i>	
Denis & Schiffenmüller,		<i>phora</i>).	
		<i>californiata</i> Packard, 3342 (<i>Phile-</i>	
mith, 1744		<i>rene</i>).	
Grote, 4105 (<i>Tortricidia</i>).		<i>californiata</i> Packard, 3652 (<i>Scia-</i>	
Stoll, 61 (<i>Zerene</i>).		<i>graphia</i>).	
<i>a</i> Boisduval, 646.		<i>californiata</i> v. Gumpenberg, 3277	
<i>ella</i> Zeller, 6006.		(<i>Tephroclystis</i>).	
<i>la</i> Zeller, 4875		<i>californica</i> Speyer, 2492 (<i>Auto-</i>	
<i>mens</i> , 904.		<i>grapha</i>)	
ramer, 689 (<i>Dilophonota</i>)		<i>californica</i> Behr, 2969 (<i>Capnodes</i>).	
errich-Schaeffer, 597 (<i>Tho-</i>		<i>californica</i> Hy. Edwards, 2831	
<i>).</i>		(<i>Catocala</i>).	
teakirt, 437.		<i>californica</i> Doubleday & Hewitson,	
adder, 291.		279 (<i>Coenonympha</i>).	
larves, 2259.		<i>californica</i> Dyar, 3069 (<i>Datanat</i>).	
<i>na</i> Cramer, 2952.		<i>californica</i> Stretch, 3223 (<i>Epic-</i>	
<i>hrons</i>	386	<i>naptera</i>)	
<i>ropha</i>	404	<i>californica</i> Packard, 851 (<i>Estig-</i>	
<i>a</i>	491	<i>mene</i>).	
Hübner, 347.		<i>californica</i> Boisduval, 216 (<i>Eugo-</i>	
<i>na</i> Butler & Druce, 84 (<i>Eur-</i>		<i>nia</i>).	
<i>ina</i> Strecker, 2003 (<i>Orth-</i>		<i>californica</i> Walker, 922 (<i>Hali-</i>	
<i>a</i>).		<i>dota</i>).	
Fabricius, 12 (<i>Papilio</i>)		<i>californica</i> Wright, 758 (<i>Hemi-</i>	
Behr, 430 (<i>Rusticus</i>).		<i>leuca</i>).	
<i>ia</i>	35	<i>californica</i> Behr, 3081 (<i>Hypena</i>).	
		<i>californica</i> Packard, 859 (<i>Isia</i>).	

	Page.		Page.
<i>californica</i> Butler, 243 (<i>Limnitis</i>).		Callophrys	39
<i>californica</i> Packard, 3218 (<i>Malacosoma</i>).		Callopietria	216
<i>californica</i> Walker, 3219 (<i>Malacosoma</i>).		Callosamia	72
<i>californica</i> Reakirt, 306 (<i>Mechanitis</i>).		Calocalpe	276
<i>californica</i> Boisduval, 290 (<i>Oeneis</i>).		Calocampa	171
<i>californica</i> Packard, 4618 (<i>Ommatopteryx</i>).		Calophasia	119
<i>californica</i> Smith, 2245 (<i>Orrhodia</i>).		Caloplusia	202
<i>californica</i> Ménétries, 18 (<i>Papilio</i>).		Calostygia	288
<i>californica</i> Stretch, 3118 (<i>Pheosia</i>).		Calothyrsanis	290
<i>californica</i> Packard, 3089 (<i>Phryganidia</i>).		Calpe	198
<i>californica</i> Scudder, 471 (<i>Potanthus</i>).		<i>calphurnia</i> Hy. Edwards, 2878.	
<i>californica</i> Packard, 4451 (<i>Pyrausta</i>).		Calpodes	54
<i>californica</i> Grote, 742 (<i>Samia</i>).		<i>calverleyi</i> Grote, 22.	
<i>californica</i> Edwards, 340 (<i>Thecla</i>).		<i>calvina</i> Druce, 4030.	
<i>californica</i> Behr, 1891 (<i>Xylomiges</i>).		<i>calycanthata</i> Smith & Abbot, 2991.	
<i>californicus</i> Boisduval, 4039 (<i>Brephos</i>).		<i>calyce</i> Edwards, 36.	
<i>californicus</i> Boisduval, 6616 (<i>Hepialus</i>).		Calycopsis	38
<i>californicus</i> Grote, 2406 (<i>Melicleptria</i>).		Calymnia	182
<i>californicus</i> Walsingham, 4931 (<i>Triphoptilus</i>).		<i>cambrica</i> Curtis, 3329.	
<i>californiella</i> Ragonot, 4927.		<i>cambricaria</i> Guenée, 3329.	
<i>caliginella</i> Hulst, 4701.		<i>camerta</i> Cramer, 301 (<i>Cissia</i>).	
<i>caliginosana</i> Walker, 5309.		<i>camertus</i> Cramer, 665 (<i>Triptogon</i>).	
<i>caliginosalis</i> Walker, 4510.		<i>camillus</i> Edwards, 192.	
<i>caliginosellus</i> Clemens, 4607.		<i>camina</i> Smith, 1096.	
<i>calipusaria</i> Walker, 3902.		Campaea	335
calledapteryx	350	<i>campalis</i> Guenée, 4292.	
<i>calleta</i> Westwood, 743.		<i>campestrana</i> Zeller, 5066.	
<i>callias</i> Edwards, 272.		<i>campestris</i> Boisduval, 512 (<i>Hylephila</i>).	
callicista	38	<i>campestris</i> Grote, 1707 (<i>Paragrotis</i>).	
<i>callida</i> Grote, 1954.		<i>campestris</i> Boisduval, 191 (<i>Phyciodes</i>).	
callidryas	7	<i>campicolana</i> Walsingham, 5459.	
<i>calligera</i> Zeller, 5483.		Campometra	236
callima	525	Camptogramma	280
<i>callina</i> Boisduval, 193.		<i>camurellus</i> Clemens, 4589.	
calliomma	64	<i>cana</i> Robinson, 5341 (<i>Cenopsis</i>).	
<i>callipeplella</i> Hulst, 4665.		<i>cana</i> Walker, 817 (<i>Clemensia</i>).	
<i>callippe</i> Boisduval, 116.		<i>cana</i> Walker, 3127 (<i>Dasylophia</i>).	
callipsyche	39	<i>cana</i> Martyn, 726 (<i>Lapara</i>).	
callitriche	196	<i>cana</i> Hy. Edwards, 3189 (<i>Notolophus</i>).	
<i>callitrichoides</i> Grote, 2573.		<i>canace</i> Edwards, 195.	
callisia	350	<i>canadaria</i> Guenée, 3858.	
		<i>canadensis</i> Smith & Dyar, 980 (<i>Apate</i>).	
		<i>canadensis</i> Bethune, 2467 (<i>Calpe</i>).	
		<i>canadensis</i> Guenée, 670 (<i>Deilephila</i>).	
		<i>canadensis</i> Busck, 5878 (<i>Depressaria</i>).	
		<i>canadensis</i> Smith, 1794 (<i>Mamestra</i>).	
		<i>canadensis</i> Boisduval, 713 (<i>Sphinx</i>).	

	Page.		Page.
<i>ensisella</i> Chambers, 6236.		<i>capsularis</i> Guenée, 1789.	
<i>s</i> Grote, 2950.		<i>caplicola</i> Walker, 2781.	
<i>a</i> Walsingham, 5115.		Capua 477	
<i>ella</i> Dietz, 5957.		<i>capucina</i> Linnaeus, 3115.	
<i>ellus</i> Walsingham, 5488.		<i>cara</i> Guenée, 2827 (Catocala).	
sia 431		Caradrina 110	
<i>facta</i> Hübner, 2691.		<i>caradrinalis</i> Guenée, 3079.	
<i>us</i> Guenée, 1997.		<i>caradrinoides</i> Walker, 1103.	
<i>icens</i> Hy. Edwards, 4233.		Carama 358	
<i>la</i> Lintner, 3159 (Cerura).		<i>carata</i> Hulst, 3741.	
<i>la</i> Wright, 475 (Copeodes).		Carbacha 375	
<i>la</i> Hy. Edwards, 803 (Cram-		<i>carbonaria</i> Packard, 4069 (Eury-	
<i>ia</i>).		<i>cyttarus</i>).	
<i>la</i> Smith, 3182 (Euthyatira).		<i>carbonaria</i> Harvey, 2114 (Xylina).	
<i>la</i> Smith, 1311 (Homoha-		<i>carbonariella</i> Fischer, 4776.	
<i>a</i>).		<i>carbonellus</i> Hulst, 4781.	
<i>la</i> Walker, 856 (Hyphantria).		<i>carduelis</i> Seba, 221.	
<i>la</i> Smith, 1616 (Paragrotis).		<i>cardui</i> Zeller, 4941 (Platyptilia).	
<i>la</i> Smith, 1899 (Xylomiges).		<i>cardui</i> Linnaeus, 221 (Vanessa).	
<i>laria</i> Packard, 3491.		<i>carduidactyla</i> Riley, 4941.	
<i>tellum</i> Hulst, 4867.		<i>carduiella</i> Kearfott, 5523.	
<i>ens</i> Behr, 2259 (Calymnia).		<i>c-argenteum</i> Scudder, 212.	
<i>ens</i> Hy. Edwards, 4261 (Par-		Cargida 258	
<i>hrene</i>).		Caria 35	
<i>entella</i> Hulst, 4749.		<i>carina</i> Harvey, 1080.	
<i>ps</i> Walsingham, 5149.		<i>carinenta</i> Cramer, 312.	
<i>uctella</i> Clemens, 6146.		<i>cariosa</i> Guenée, 1243 (Hadena).	
<i>stella</i> Ragonot, 4857 (Hon-		<i>cariosa</i> Lederer, 4524 (Omphalo-	
<i>).</i>		<i>cera</i>).	
<i>stella</i> Walsingham, 5545 (Pal-		<i>cariosa</i> Hulst, 3809 (Pterotæa).	
<i>dra</i>).		<i>cariosus</i> Smith, 1691 (Paragrotis).	
s 187		Caripeta 318	
<i>aga</i> Walker, 3170.		<i>carissima</i> Hulst, 2827 (Catocala).	
<i>rella</i> Hulst, 4690.		<i>carissima</i> Harvey, 1406 (Rhyncha-	
<i>lis</i> Quaintance, 4494.		<i>grotis</i>).	
<i>igii</i> Walker, 736.		<i>carlota</i> Reakirt, 186.	
<i>ulrella</i> Chambers, 5789.		<i>carlotta</i> Hulst, 3871.	
<i>tria</i> Walker, 3780.		<i>carmelita</i> Morrison, 2637.	
<i>is</i> Boisduval & Le Conte, 288.		<i>carminata</i> Smith, 2010.	
<i>lla</i> Chambers, 5836.		<i>carmosina</i> Neumoegen, 2319.	
<i>Grote & Robinson, 2113.</i>		<i>caruaria</i> Packard, 3982.	
<i>u Barnes, 152.</i>		<i>caruariella</i> Clemens, 6497.	
..... 245		<i>caruata</i> Packard, 3421.	
<i>lis</i> Grote, 4341.		<i>carnea</i> Thunberg, 1432.	
<i>chrella</i> Chambers, 5790		Carneades 140	
<i>lbella</i> Chambers, 6237.		<i>carneana</i> Guenée, 5458.	
des 237		<i>carnearia</i> Hulst, 3630.	
<i>ana</i> Wilkinson, 5033.		<i>carneata</i> Packard, 3421.	
<i>lis</i> Hübner, 4511.		<i>carneella</i> Hulst, 4771.	
<i>na</i> Hübner, 5033.		<i>carneicosta</i> Guenée, 2920.	
<i>ina</i> Drury, 851.		<i>carneola</i> Guenée, 2613 (Erastria).	
<i>la</i> Grote, 2015.		<i>carneola</i> Smith, 2541 (Ogdoconta).	

	Page.		Page.
<i>carnosa</i> Grote, 2257.		<i>castanecae-foliella</i> Chambers, 6189.	
<i>carolina</i> Hy. Edwards, 785 (Eucercion).		<i>castanealis</i> Hulst, 4479.	
<i>carolina</i> Harris, 839 (Haploa).		<i>castaneana</i> Walsingham, 5151.	
<i>carolina</i> Linnaeus, 697 (Phlegethonius).		<i>castanella</i> Walsingham, 6318 (Lithocolletes).	
<i>carolina</i> Skinner, 565 (Phycanassa).		<i>castanella</i> Walsingham, 6434 (Tischeria).	
<i>carolinana</i> Walsingham, 5150.		<i>castaneum</i> Beutenmüller, 4184.	
<i>caroliniana</i> Petiver, 61.		<i>castanipennella</i> Walsingham, 6004.	
<i>carpenterellus</i> Packard, 4562.		<i>castella</i> Walsingham, 5485.	
<i>carpenterii</i> Edwards, 99.		<i>castellalis</i> Guenée, 4285.	
Carpoxera	295	<i>castoria</i> Reakirt, 38.	
<i>carpinifolia</i> Boisduval, 3223.		<i>castro</i> Reakirt, 396.	
Carpocapsa	471	Catabena	108
Carposina	489	<i>catachloa</i> Hulst, 3588.	
Carsia	268	Cataclysta	396
<i>carus</i> Edwards, 498 (Erynnis).		<i>cataclystiana</i> Walker, 5096.	
Carvanca	404	<i>catalina</i> Smith, 1187 (Hadena).	
<i>carya</i> Grote, 4688 (Acrobasis).		<i>catalina</i> Reakirt, 421 (Phaedrotes).	
<i>carya</i> Shiner, 5268 (Ancyliis).		<i>catalpa</i> Boisduval, 724.	
<i>carya</i> Robinson, 5330 (Epagoge).		Catamola	414
<i>carya</i> Harris, 923 (Halisidota).		<i>cataphracta</i> Grote, 2187.	
<i>caryalbella</i> Chambers, 6251.		Catastega	511
<i>caryae-foliella</i> Clemens, 6003 (Coleophora).		Catastictis	311
<i>caryae-foliella</i> Clemens, 6288 (Lithocolletes).		<i>catenaria</i> Cramer, 3886.	
<i>caryae-foliella</i> Clemens, 6190 (Nepticula).		<i>catenula</i> Grote, 1553.	
<i>caryae-foliellus</i> Chambers, 5684 (Ypsolophus).		<i>catenulalis</i> Grote, 4434.	
<i>caryarorella</i> Hulst, 4690 (Acrobasis).		<i>catenulata</i> Grote, 4023.	
<i>caryarorella</i> Packard, 5791 (Gelechia).		Caterva	331
<i>caryalbella</i> Walsingham, 6261.		Catharylla	411
<i>caryana</i> Fitch, 5268.		<i>catherina</i> Grote, 1428.	
<i>carye</i> Hübner, 222.		Catocala	224
<i>caryirorella</i> Ragonot, 4690.		Catocalinæ	219
<i>cassandra</i> Hy. Edwards, 2842.		Catoclothia	276
<i>cassella</i> Walker, 5792.		Catoptria	404
<i>cassius</i> Morrison, 452.		Catopyrrha	317
<i>cassus</i> Edwards, 466.		<i>catullus</i> Fabricius, 605.	
<i>casta</i> Hy. Edwards, 2585 (Anaphila).		<i>caucasica</i> Herrich-Schaeffer, 900.	
<i>casta</i> Sanborn, 803 (Crambidia).		<i>caudana</i> Haworth, 5299.	
<i>casta</i> Kirby, 38 (Pontia).		<i>caudatum</i> Harris, 4170.	
<i>castalis</i> Edwards, 360.		<i>cautella</i> Walker, 4875.	
<i>castanea</i> Grote, 1237.		Cautethia	67
<i>castaneacella</i> Chambers, 6318 (Lithocolletes).		<i>caullaria</i> Hulst, 3912.1.	
<i>castaneacella</i> Chambers, 6434 (Tischeria).		<i>cayennaria</i> Packard, 3948.	
		Cayuga	438
		Cea	183
		<i>ceanothi</i> Behr, 742 (Samia).	
		<i>ceanothi</i> Walsingham, 6447 (Tischeria).	
		<i>cecropia</i> Linnaeus, 739.	
		<i>cecropis</i> Fabricius, 365.	
		<i>celano</i> Hübner, 295.	
		Celama	351

Page.		Page.
	<i>via</i> Hulst, 3628.	<i>cerealis</i> Zeller, 4359.
	<i>is</i> Grote, 2401.	<i>cereana</i> Linnaeus, 4636.2.
	<i>is</i> Hübner, 696.	<i>cerella</i> Fabricius, 4636.2.
	<i>is</i> Skinner, 462 (Amblyscirtes).	<i>cercs</i> Butler, 279.
	<i>a</i> Saunders, 891 (Apant-sis).	<i>cereus</i> Doubleday, 320.
	<i>a</i> Hy. Edwards, 2864 (Cato- sala).	<i>cerina</i> Grote, 2171.
	<i>iana</i> Robinson, 5308.	<i>cerintha</i> Treitschke, 2656.
	<i>imene</i> Cramer, 294.	<i>cerivana</i> Smith, 1208.
235	liptera	Cerma 106
	<i>ilus</i> Boisduval & Le Conte, 586.	<i>cernes</i> Harris, 557 (Limochroes).
268	olma	<i>cernes</i> Boisduval & Le Conte, 523 (Thymelicus).
	<i>elsa</i> Hy. Edwards, 2514.	<i>cerogana</i> Guenée, 2872.
	<i>cellidella</i> Hulst, 4760.	<i>ceromatica</i> Grote, 2239.
	<i>celtifoliella</i> Chambers, 6286.	Cerostoma 491
	<i>celtiphaga</i> Harvey, 3138.	<i>cerulea</i> Ehrman, 236.
	<i>celtis</i> Boisduval & Le Conte, 244.	Cerura 256
	<i>celtisana</i> Riley, 5136.	<i>cerusana</i> Duponchel, 5304 (Acleris).
	<i>celtisella</i> Chambers, 6286.	<i>cerusana</i> Hübner, 5303 (Acleris).
	<i>cembraria</i> Motschulsky, 3695.	<i>cerussata</i> Grote, 2183 (Papaipema).
562	Cemiostoma	<i>cerussata</i> Grote, 4032 (Phrygionis).
476	Cenopis	<i>cerrana</i> Eversmann, 5143.
	<i>centaurea</i> Rambur, 644.	<i>cerrella</i> Walsingham, 5496.
	<i>centerensis</i> Lintner, 4142.	<i>cerviana</i> Smith, 1208.
	<i>centralis</i> Smith, 1248 (Hadena).	<i>cervina</i> Hy. Edwards, 2751 (Cis- sura).
	<i>centralis</i> Walker, 4118 (Pyro- morpha).	<i>cervina</i> Hy. Edwards, 2718 (Euler- richia).
	<i>centralis</i> Grote, 3045 (Renia).	<i>cervina</i> Smith, 1856 (Mamestra).
	<i>centrana</i> Herrich-Schaeffer, 5472.	<i>cervina</i> Smith, 1130 (Perigea).
	<i>centumnotata</i> Schulz, 3379.	<i>cervinana</i> Fernald, 5323.
	<i>centuriella</i> Schiffermüller, 4510.	<i>cervinaria</i> Blanchard, 3698 (Cyma- tophora).
	<i>ceos</i> Edwards, 608.	<i>cervinaria</i> Packard, 3642 (Epise- masia).
	<i>cephatica</i> Grote & Robinson, 802 (Crambidia).	<i>cervinaria</i> Packard, 4018 (Sabu- loles).
	<i>cephatica</i> Smith, 2393 (Stylopoda).	<i>cervinicolor</i> Hulst, 3638.
	<i>cephalonthiella</i> Chambers, 6162.	<i>cervinidactylus</i> Packard, 4956.
	<i>cephisaria</i> Grote, 3435.	<i>cervinifascia</i> Walker, 3350.
	<i>cephise</i> Cramer, 4035.	<i>cervinoides</i> Strecker, 886.
	<i>ceramica</i> Hübner, 892.	<i>cervinus</i> Walsingham, 6585.
128	Cerapoda	<i>cerysii</i> Kirby, 730.
	<i>cerasivorana</i> Fitch, 5360.	<i>cespitalis</i> Grote & Robinson, 900.
	<i>cerasivorella</i> Packard, 6005.	<i>cespitella</i> Hübner, 4579.
217	Cerathosia	<i>cespitiella</i> Hulst, 6006.
75	Ceratocampidæ	<i>cespititiella</i> Riley, 6006.
375	Ceratoclasia	<i>cestalis</i> Hulst, 4512.
282	Ceratodalia	<i>cestata</i> Hulst, 3316.
69	Ceratomia	<i>cestus</i> Edwards, 553.
329	Ceratomyx	<i>cethura</i> Felder, 47.
	<i>cercerisella</i> Chambers, 5714.	<i>ceto</i> Westwood, 4162.
	<i>cercyon</i> Burmeister, 687.	<i>chalcana</i> Packard, 5437.
27	Cercyonis	
	<i>cerea</i> Hübner, 320.	
	<i>cerealella</i> Olivier, 5552.	

	Page.	
Anagoga	333	<i>anguina</i> Smith & Abbot, 3127
Anaitis	267	(<i>Dasylophia</i>).
Anania	374	<i>anguina</i> Grote, 1845 (<i>Mamestra</i>).
<i>ananius</i> Plotz, 600.		<i>anguinella</i> Clemens, 6184.
Anaphora	578	<i>angulalis</i> Hübner, 3058.
Anaplodes	302	<i>angulata</i> Smith, 2056 (<i>Perigonica</i>).
Anarsia	509	<i>angulata</i> Grote, 2197 (<i>Pyrria</i>).
<i>anarsiella</i> Chambers, 5745.		<i>angulatalis</i> Lederer, 4500.
Anarta	159	<i>angulatana</i> Robinson, 5445.
<i>anartalis</i> Grote, 4367.		<i>angulidens</i> Smith, 2512.
Anartia	24	<i>angulifasciana</i> Zeller, 5253.
<i>anatomella</i> Grote, 6474.		<i>angulifera</i> Walker, 745 (<i>Callosamia</i>).
<i>ancillata</i> Walker, 3500.		<i>angulifera</i> Walker, 922 (<i>Halesi-</i>
<i>anceps</i> Grote, 4588 (<i>Crambus</i>).		dota).
<i>anceps</i> Hy. Edwards, 6614 (<i>Hepia-</i>		<i>angulifera</i> Walker, 754 (<i>Thauma</i>).
lus).		<i>anguliferellum</i> Ragonot, 4872.
<i>ancetaria</i> Hübner, 4001.		<i>angulosa</i> Smith & Abbot, 3121.
<i>anchocelioides</i> Guenée, 1393.		<i>angusana</i> Fernald, 5325.
Anchocelis	178	<i>angusella</i> Grote, 4687.
<i>ancillaria</i> Strecker, 3685.		<i>angusi</i> Grote, 2822 (<i>Catocala</i>).
<i>ancociscenensis</i> Morrison, 1278.		<i>angusii</i> Grote & Robinson, 3100
Ancylis	466	(<i>Datana</i>).
Ancyloxypha	48	<i>angusta</i> Haworth, 4879.
<i>andereggiella</i> Duponchel, 6455.		<i>angustalis</i> Fabricius, 4276.
<i>andromona</i> Cramer, 2912.		<i>angustana</i> Clemens, 5440.
Andrewsia	232	<i>angustata</i> Frey & Boll, 6235 (<i>Buc-</i>
<i>andria</i> Scudder, 254.		culatrix).
Androloma	96	<i>angustata</i> Haworth, 3370 (<i>Perenop-</i>
<i>andromacha</i> Hy. Edwards, 2879		tilota).
(<i>Catocala</i>).		<i>angustellus</i> Blanchard, 4781.
<i>andromacha</i> Hübner, 286 (<i>Eno-</i>		<i>angustiorata</i> Walker, 3765 (<i>Cari-</i>
dia).		peta).
<i>andromeda</i> Boisduval, 715 (<i>Sphinx</i>).		<i>angustiorata</i> Grote, 1089.1 (<i>Platy-</i>
<i>andromeda</i> Guenée, 2776 (<i>Hypo-</i>		senta).
gramma).		<i>angustipennella</i> Clemens, 5782 (<i>Ge-</i>
<i>androphila</i> Guenée, 2907.		lechia).
Andropolia	119	<i>angustipennella</i> Dietz, 5944 (<i>Pig-</i>
Anepischetos	207	ritia).
Anerastinæ	437	<i>angustipennellus</i> Beutenmüller,
<i>anfracta</i> Hy. Edwards, 4051.		6585 (<i>Acrolophus</i>).
<i>anfractata</i> Hulst, 4022.		<i>angustipennis</i> Warren, 4534 (<i>Acal-</i>
<i>anfugella</i> Dietz, 5941.		lis).
<i>angelica</i> Grote, 3091 (<i>Apatelodes</i>).		<i>angustipennis</i> Möschler, 1305 (<i>Ma-</i>
<i>angelica</i> Smith, 1071 (<i>Copibry-</i>		gusa).
ophila).		<i>angustipennis</i> Grote, 2660 (<i>Thera-</i>
<i>angelica</i> Smith, 2415 (<i>Heliodes</i>).		sea).
<i>angelica</i> Smith, 2186 (<i>Papaipema</i>).		<i>angustus</i> Walsingham, 4970.
<i>angelicus</i> Smith, 2066 (<i>Cobaliodes</i>).		Ania
<i>angelina</i> Boisduval, 47.		<i>anicia</i> Doubleday & Hewitson, 151
<i>anglicella</i> Stainton, 6390.		(<i>Lemonias</i>).
<i>angrezi</i> Bailey, 4144.		<i>anicia</i> Scudder, 159 (<i>Lemonias</i>).
<i>angulinea</i> Grote, 3235.		<i>anilis</i> Drury, 2922.

Page.		Page.
	<i>caria</i> Hulst, 3628.	<i>cerealis</i> Zeller, 4359.
	<i>-is</i> Grote, 2401.	<i>cereana</i> Linnaeus, 4636.2.
	<i>ua</i> Hübner, 696.	<i>cerella</i> Fabricius, 4636.2.
	<i>a</i> Skinner, 462 (Amblyscirtes).	<i>ceres</i> Butler, 279.
	<i>a</i> Saunders, 891 (Apantesis).	<i>cereus</i> Doubleday, 320.
	<i>ia</i> Hy. Edwards, 2864 (Cato-	<i>cerina</i> Grote, 2171.
	<i>cala</i>).	<i>cerintha</i> Treitschke, 2656.
	<i>iana</i> Robinson, 5308.	<i>cerivana</i> Smith, 1208.
	<i>timene</i> Cramer, 294.	Cerma 106
235	oliptera	<i>cernes</i> Harris, 557 (Limochroes).
	<i>ellus</i> Boisduval & Le Conte, 586.	<i>cernes</i> Boisduval & Le Conte, 523
268	elma	(Thymelicus).
	<i>celsa</i> Hy. Edwards, 2514.	<i>cerogana</i> Guenée, 2872.
	<i>cellidella</i> Hulst, 4760.	<i>ceromatica</i> Grote, 2239.
	<i>celtifioliella</i> Chambers, 6286.	Cerostoma 491
	<i>celtiphaga</i> Harvey, 3138.	<i>cerulea</i> Ehrman, 236.
	<i>celtis</i> Boisduval & Le Conte, 244.	Cerura 256
	<i>celtisana</i> Riley, 5136.	<i>cerusana</i> Duponchel, 5304 (Acleris).
	<i>celtisella</i> Chambers, 6286.	<i>cerusana</i> Hübner, 5303 (Acleris).
	<i>cembraria</i> Motschulsky, 3695.	<i>cerussata</i> Grote, 2183 (Papaipema).
562	Cemiostoma	<i>cerussata</i> Grote, 4032 (Phrygionis).
476	Cenopsis	<i>cervana</i> Eversmann, 5143.
	<i>centaurea</i> Rambur, 644.	<i>cerrella</i> Walsingham, 5496.
	<i>centerensis</i> Lintner, 4142.	<i>cerviana</i> Smith, 1208.
	<i>centralis</i> Smith, 1248 (Hadena).	<i>cervina</i> Hy. Edwards, 2751 (Cis-
	<i>centralis</i> Walker, 4118 (Pyro-	sura).
	morpha).	<i>cervina</i> Hy. Edwards, 2718 (Euer-
	<i>centralis</i> Grote, 3045 (Renia).	richia).
	<i>centrana</i> Herrich-Schaeffer, 5472.	<i>cervina</i> Smith, 1856 (Mamestra).
	<i>centumnotata</i> Schulz, 3379.	<i>cervina</i> Smith, 1130 (Perigea).
	<i>centuriella</i> Schiffermüller, 4510.	<i>cervinana</i> Fernald, 5323.
	<i>ceos</i> Edwards, 608.	<i>cervinaria</i> Blanchard, 3698 (Cyma-
	<i>cephalica</i> Grote & Robinson, 802	tophora).
	(Crambidia).	<i>cervinaria</i> Packard, 3642 (Epise-
	<i>cephalica</i> Smith, 2393 (Stylopoda).	masia).
	<i>cephalonhiella</i> Chambers, 6162.	<i>cervinaria</i> Packard, 4018 (Sabu-
	<i>cephisaria</i> Grote, 3435.	lodes).
	<i>cephise</i> Cramer, 4035.	<i>cervinicolor</i> Hulst, 3638.
	<i>ceramica</i> Hübner, 892.	<i>cervinidactylus</i> Packard, 4956.
128	Cerapoda	<i>cervinifascia</i> Walker, 3350.
	<i>cerasivorana</i> Fitch, 5360.	<i>cervinoides</i> Strecker, 886.
	<i>cerasivorella</i> Packard, 6005.	<i>cervinus</i> Walsingham, 6585.
217	Cerathosia	<i>cerysii</i> Kirby, 730.
75	Ceratocampidæ	<i>cespitalis</i> Grote & Robinson, 900.
375	Ceratoclasia	<i>cespitella</i> Hübner, 4579.
282	Ceratodalia	<i>cespitiella</i> Hulst, 6006.
69	Ceratomia	<i>cespititiella</i> Riley, 6006.
329	Ceratonyx	<i>cestalis</i> Hulst, 4512.
	<i>cercerisella</i> Chambers, 5714.	<i>cestata</i> Hulst, 3316.
	<i>cercyon</i> Burmeister, 687.	<i>cestus</i> Edwards, 553.
27	Cercyonis	<i>cethura</i> Felder, 47.
	<i>cerea</i> Hübner, 320.	<i>ceto</i> Westwood, 4162.
	<i>cereulella</i> Olivier, 5552.	<i>chalcana</i> Packard, 5437.

	Page.		Page.
<i>chalcedon</i> Doubleday & Hewitson, 148.		<i>chiococcella</i> Busek, 6452.	
<i>chalcedonia</i> Hübner, 1137.		<i>chionanthi</i> Smith & Abbot, 1370 (Adita).	
Chalceria	41	<i>chionanthi</i> Smith & Abbot, 698 (Phlegethontius).	
<i>chalcis</i> Behr, 353.		<i>chione</i> Curtis, 64.	
Chalcoela	412	<i>chionosema</i> Zeller, 5047.	
<i>chalcoprontella</i> Clemens, 5970.		Chipota	44
Chalcosidæ	360	<i>chippewa</i> Edwards, 74.	
Chalia	353	<i>chiricalua</i> Poling, 2861.	
Chalinitis	401	<i>chiridota</i> Grote, 4060.	
<i>chalybrella</i> Walsingham, 6061.		<i>chiriguensis</i> Dyar, 3109.	
<i>chalybeana</i> Fernald, 5322 (Acleris).		<i>chiron</i> Fabricius, 233.	
<i>chalybeana</i> Walsingham, 5055 (Olethreutes).		<i>chironias</i> Hübner, 233.	
<i>chalybeis</i> Zeller, 6553.		<i>chitone</i> Edwards, 120.	
<i>chalybistrostris</i> Zeller, 4585.		Chlænogramma	69
<i>chamæchrysaria</i> Grote, 3615.		Chloraspilates	305
Chamæclea	186	Chloridea	185
<i>chambersella</i> Dyar, 5994 (Coleophora).		<i>chlorina</i> Skinner, 439.	
<i>chambersella</i> Dyar, 5910 (Ethmia).		Chlorippe	26
<i>chambersella</i> Walsingham, 6300 (Lithocolletes).		<i>chloris</i> Herrich-Schaeffer, 4080.	
<i>chambersella</i> Murtfeldt, 5667 (Trichotaphe).		Chlorissa	299
Chambersia	526	Chlorochlamys	299
<i>chamænerii</i> Harris, 670.		Chloroclysta	282
Chamyris	213	Chloroclystis	269
<i>chandleri</i> Grote, 1338.		<i>chloroleucaria</i> Guenée, 3561.	
<i>chapmani</i> Grote, 3134.		<i>chlorophasma</i> Butler, 4279.	
<i>chara</i> Edwards, 173.		<i>chlorophora</i> Hübner, 2234.	
<i>characta</i> Grote, 1160.		Chloropteryx	300
Charadra	98	Chlorosea	301
<i>chariclea</i> Schneider, 137.		<i>chlorostigma</i> Harvey, 1204.	
Charidryas	20	Chlosyne	21
<i>charie</i> Blanchard, 222.		Chœphora	178
<i>charithonia</i> Linnaeus, 304.		<i>charilus</i> Cramer, 681.	
<i>charlottii</i> Barnes, 98.		Chœrodes	346
Charommatæa	294	<i>chorda</i> Grote, 1320.	
<i>charon</i> Edwards, 263.		Choreutis	493
<i>chartaria</i> Grote, 1817.		<i>choriona</i> Reakirt, 834.	
<i>chatfeldii</i> Grote, 3174.		<i>choris</i> Harvey, 1669.	
Chauliodus	541	Chorizagrotis	137
Cheimatobia	266	<i>chortalis</i> Grote, 4347 (Loxostege).	
<i>chelidonia</i> Grote, 2896.		<i>chortalis</i> Harvey, 1750 (Richia).	
<i>chemnis</i> Fabricius, 550.		<i>christina</i> Edwards, 69.	
<i>chenopodii</i> Fabricius, 1801.		<i>chromalis</i> Guenée, 4312.	
<i>chersis</i> Hübner, 706.		Chrysauginæ	400
Chesiadodes	324	<i>chryseis</i> Olivier, 846.	
Chesias	267	<i>chryselectra</i> Grote, 1171.	
<i>chicorii</i> Grote & Robinson, 900.		<i>chrysellus</i> Grote, 2324.	
Chilo	412	Chrysendeton	396
Chilocampyla	557	Chrysobia	34
		<i>chrysomelas</i> Hy. Edwards, 68.	
		Chrysopeleia	540
		Chrysophanus	41

	Page.		Page.
<i>chrysopsis</i> Grote, 2444.		<i>cinerascens</i> Smith, 1433 (Pachno-	
Chrysopora	497	bia).	
<i>chrysorrhæa</i> Linnæus, 3197.		<i>cinerea</i> Haworth, 6401 (Coriscium).	
Chrysoteuchia	404	<i>cinerea</i> Edwards, 440 (Cyaniris).	
<i>chryxus</i> Doubleday & Hewitson,		<i>cinerea</i> Smith, 1254 (Epidemas).	
291.		<i>cinerea</i> Walker, 3162 (Harpyia).	
<i>chusca</i> Edwards, 517.		<i>cinerea</i> Morrison, 2998 (Homop-	
Chytolita	243	tera).	
Chytonix	107	<i>cinerea</i> Schaus, 3143 (Misogada).	
Chytoryza	204	<i>cinerea</i> Staudinger, 1432 (Pachno-	
<i>cibalis</i> Grote, 1358.		bia).	
<i>cicatricosa</i> Grote & Robinson, 1572.		<i>cinerea</i> Harris, 706 (Sphinx).	
Cicinnus	352	<i>cinerea</i> Riley, 2090 (Xylina).	
Cidaria	286	<i>cinereana</i> Neumoegen & Dyar, 3083.	
<i>ciliachrella</i> Chambers, 6006.		<i>cinereata</i> Bates, 3656.	
<i>ciliolineella</i> Chambers, 5543.		<i>cinereella</i> Hulst, 4814.	
<i>ciliata</i> Smith, 1355 (Oncoenemis).		<i>cinerella</i> Chambers, 6007 (Coleo-	
<i>ciliata</i> Smith, 2375 (Schinia).		phora).	
<i>cilicoides</i> Grote, 4050.		<i>cinerella</i> Hulst, 4855 (Honora).	
<i>ciliella</i> Stainton, 5863.		<i>cinerella</i> Murfeldt, 5617 (Phthori-	
<i>cilium</i> Guenée, 1103.		mæa).	
Cilla	206	<i>cinereocostella</i> Clemens, 5891.	
<i>cilla</i> Behr, 424.		<i>cinereofrons</i> Packard, 3148.	
<i>cillene</i> Cramer, 90.		<i>cinereoides</i> Dyar, 3162.	
<i>cilliafuscella</i> Chambers, 6197.		<i>cinereola</i> Hulst, 3731 (Cymatopho-	
<i>cimbiciformis</i> Stephens, 656.		ra).	
<i>cincinnatiella</i> Chambers, 6287.		<i>cinereola</i> Guenée, 2540 (Ogdoconta).	
Cinclidia	18	<i>cinereola</i> Smith, 2212 (Selicanis).	
<i>cincta</i> Edwards, 198 (Anthanasia).		<i>cinereomaculata</i> Morrison, 1719.	
<i>cincta</i> Smith, 2970 (Kakopoda).		<i>cinereus</i> Packard, 3141 (Hetero-	
<i>cinctaria</i> French, 3881 (Phigalia).		campa).	
<i>cinctarius</i> Hulst, 3814 (Tornos).		<i>cinereus</i> Riley, 6572 (Prodoxus).	
<i>cinctella</i> Hübner, 5862 (Depressa-		<i>cineridactylus</i> Fitch, 4981.	
ria).		<i>cineritia</i> Grote, 2120.	
<i>cinctella</i> Hulst, 4803 (Megasis).		<i>cinerosa</i> Grote, 690 (Dilophonota).	
<i>cinctipalpis</i> Smith, 2961.		<i>cinerosa</i> Grote & Robinson, 4457	
<i>cinctipedalis</i> Walker, 4423.		(Pyrasta).	
<i>cinctipes</i> Grote, 921.		<i>cinerosa</i> Grote, 2092 (Xylina).	
<i>cinctus</i> Tepper, 738.		Cingilia	331
Cindaphia	383	Cinglis	293
<i>cinderella</i> Riley, 5319 (Acleris).		<i>cingulata</i> Fabricius, 699.	
<i>cinderella</i> Smith, 985 (Apatela).		<i>cingulifera</i> Walker, 2992.	
<i>cinderella</i> Smith, 2133 (Cucullia).		<i>ciniflonella</i> Zeller, 5869.	
<i>cinefacta</i> Grote, 1247.		<i>cinis</i> Guenée, 2774.	
<i>cineraceus</i> Fish, 4985.		<i>cinnabarina</i> Grote, 1830.	
<i>cineraria</i> Walker, 3862 (Ectropis).		<i>cinnamomea</i> Boisduval, 934.	
<i>cineraria</i> Packard, 3746 (Sympher-		<i>cipris</i> Cramer, 54.	
ta).		<i>circa</i> Hy. Edwards, 660.	
<i>cinerascens</i> Walsingham, 4960 (Alu-		<i>circe</i> Strecker, 2859.	
cita).		<i>circulana</i> Hübner, 5079.	
<i>cinerascens</i> Walker, 3137 (Hetero-		<i>circulifera</i> Walker, 964.	
campa).		<i>circumcincta</i> Smith, 1832.	

	Page.		Pag.
<i>mathewianus</i> Zeller, 4972.		<i>mediostriatella</i> Clemens, 6481.	
Matigramma	237	<i>meditata</i> Grote, 1781.	
<i>matricaria</i> Behr, 2143.		<i>medusa</i> Strecker, 3202.	
<i>matronalis</i> Frey, 900 (<i>Parasemia</i>).		Megachyta	241
<i>matronalis</i> Grote, 4453 (<i>Pyrausta</i>).		Megacronycta	99
<i>matthewi</i> Hy. Edwards, 6608 (<i>Hepialus</i>).		<i>megadia</i> Smith, 1973.	
<i>matthewi</i> Grote, 788 (<i>Scepsis</i>).		<i>megarra</i> Smith, 1907.	
<i>matuta</i> Hy. Edwards, 949.		<i>megalippe</i> Hübner, 308.	
<i>matutella</i> Clemens, 6110.		Megalopyge	358
<i>matutina</i> Grote, 5137 (<i>Eucosma</i>).		Megalopygidæ	358
<i>matutina</i> Hübner, 2306 (<i>Rhodophora</i>).		Megaphycis	429
<i>maxima</i> Neumoegen, 55.		<i>megarena</i> Smith, 1832.	
<i>maximella</i> Chambers, 6202 (<i>Nepticula</i>).		Megasis	427
<i>maximellus</i> Fernald, 4548 (<i>Schenobius</i>).		<i>megastigma</i> Smith, 1612.	
<i>mayrella</i> Zeller, 6010.		Megathymidæ	46
<i>mcglashani</i> Hy. Edwards, 6608.		Megathymus	46
<i>meadiana</i> Morrison, 1346.		<i>megocula</i> Smith, 2658.	
<i>meadiaria</i> Packard, 3661.		<i>mela</i> Strecker, 416.	
<i>meadiata</i> Packard, 3338 (<i>Coryphista</i>).		<i>melaleuca</i> Thunberg, 1932.	
<i>meadiata</i> Packard, 3661 (<i>Scia-graphia</i>).		<i>melaleucalis</i> Walker, 4377.	
<i>meadii</i> Edwards, 118 (<i>Argynnia</i>).		<i>melaleucana</i> Walker, 5380.	
<i>meadii</i> Edwards, 261 (<i>Cercyonis</i>).		Melalopha	249
<i>meadii</i> Packard, 3338 (<i>Coryphista</i>).		<i>melalutea</i> Smith, 1350.	
<i>meadii</i> Grote, 2390 (<i>Dasypoudæa</i>).		<i>melancholica</i> Grote, 690.	
<i>meadii</i> Edwards, 62 (<i>Eurymus</i>).		Melanchroia	349
<i>meadii</i> Hy. Edwards, 4066 (<i>Thyridopteryx</i>).		Melanchroiinæ	349
<i>meanderana</i> Walker, 5015.		<i>melane</i> Edwards, 570.	
Mechanitis	33	<i>melanella</i> Murtfeldt, 5651 (<i>Menesta</i>).	
Mecoceras	348	<i>melanellus</i> Hulst, 4780 (<i>Elasmopalpus</i>).	
Mecoceratinæ	348	<i>melanic</i> Skinner, 66.	
Mecyna	386	Melanippe	278
<i>medealis</i> Walker, 4303.		<i>melanippe</i> Cramer, 51.	
<i>media</i> Morrison, 2781.		<i>melanis</i> Boisduval, 4038.	
<i>medialis</i> Smith, 3050 (<i>Bleptina</i>).		<i>melanogrammos</i> Zeller, 4649.	
<i>medialis</i> Smith, 2168 (<i>Gortyna</i>).		<i>melanographella</i> Ragonot, 4663.	
<i>medialis</i> Smith, 1634 (<i>Parogrotis</i>).		Melanolopha	326
<i>medialis</i> Grote, 1268 (<i>Polia</i>).		<i>melanomera</i> Butler, 900.	
<i>mediata</i> Walker, 3370.		Melanomma	218
<i>mediatrix</i> Felder, 201.		<i>melanopa</i> Thunberg, 1931 (<i>Anarta</i>).	
<i>medicinalis</i> Grote, 4498.		<i>melanopa</i> Barnes, 3129 (<i>Dasylophia</i>).	
<i>mediofasciana</i> Clemens, 5239.		<i>melanopa</i> Zeller, 4058 (<i>Nigetia</i>).	
<i>mediofasciella</i> Dietz, 5942.		Melanoporphyrina	192
<i>mediofuscella</i> Clemens, 5764.		<i>melanopyga</i> Grote, 2147.	
<i>medioplagata</i> Walsingham, 5236.		<i>melanosticta</i> Walsingham, 5048.	
<i>mediostrata</i> Walsingham, 5158.		<i>melantherella</i> Busck, 5663.	
		Melanthia	280
		<i>melantho</i> Smith, 1351.	
		Melanydris	288
		<i>melas</i> Christoph, 900.	
		Melemæa	332

	Page.		Page.
<i>astinuous</i> Drury, 23.		<i>atrifascialis</i> Hulst, 3380 (Mesoleuca).	
<i>astoria</i> Hy. Edwards, 3092.		<i>atrifascialis</i> Hulst, 4647 (Tallula).	
<i>astraea</i> Edwards, 69.		<i>atrifasciata</i> Morrison, 1341.	
<i>astrieta</i> Morrison, 1464.		<i>atrifera</i> Grote, 1741.	
<i>astrologana</i> Zeller, 5062.		<i>atrifrons</i> Grote, 1502.	
Astropometis	414	<i>atrilineella</i> Grote, 3030.	
<i>astur</i> Cramer, 941.		<i>atripennis</i> Grote, 799.	
<i>astyanax</i> Fabricius, 236.		<i>atriplicivora</i> Cockerell, 5995.	
<i>astylus</i> Drury, 733.		<i>atristrigata</i> Smith, 1596 (Paragrotis).	
<i>astylusaria</i> Walker, 3963.		<i>atristrigatus</i> Smith, 1755 (Anytus).	
<i>astymone</i> Olivier, 770.		<i>atrites</i> Grote, 2366.	
<i>asychis</i> Cramer, 604.		<i>atritincta</i> Harvey, 2995.	
<i>atala</i> Poey, 325.		<i>atritenosa</i> Palm, 3194.	
<i>atalanta</i> Linnæus, 219.		<i>atrocolorata</i> Hulst, 4001 (Azelina).	
<i>atarah</i> Strecker, 2898.		<i>atrocoloratum</i> Grote, 3354 (Eustroma).	
Atascosa	438	<i>atrodentana</i> Fernald, 5020.	
<i>ate</i> Strecker, 221.		<i>atrodorsella</i> Clemens, 5854.	
<i>atergatis</i> Doubleday and Hewitson, 310.		<i>atrofasciata</i> Packard, 3662.	
<i>aterrima</i> Grote, 1363.		<i>atrofusca</i> Smith, 1713.	
<i>aterrimella</i> Walker, 6106.		<i>atrolinearia</i> Hulst, 3790.	
Atethmia	183	<i>atroliturata</i> Walker, 3237.	
<i>atha</i> Strecker, 1534.		<i>atropicta</i> Zeller, 5844 (Cryptolechia).	
<i>athabasca</i> Neumoegen, 2800.		<i>atropicta</i> Hampson, 4506 (Scoparia).	
<i>athasiaria</i> Walker, 3909.		<i>atropulverea</i> Smith, 1685.	
Athena	25	<i>atropunctana</i> Zetterstedt, 5034.	
<i>athena</i> Strecker, 854.		<i>atropunctaria</i> Walker, 3759.	
<i>athereo</i> Harris, 3136.		<i>atropunctata</i> Packard, 3754.	
<i>atlantica</i> Smith, 2162 (Gortyna).		<i>atropurpurealis</i> Grote, 4465.	
<i>atlantica</i> Grote, 1792 (Mamestra).		<i>atropurpurea</i> Grote, 1711.	
<i>atlantis</i> Edwards, 102.		<i>atrosignata</i> Walker, 3708.	
Atlides	36	<i>atrupictella</i> Dietz, 5595.	
<i>atomaria</i> Walker, 3195.		Atrytone	49
<i>atomariella</i> Zeller, 6332.		Attacapa	417
<i>atomaris</i> Walker, 2540 (Ogdoconta).		<i>attalus</i> Edwards, 501.	
<i>atomaris</i> Smith, 1604 (Paragrotis).		<i>attenta</i> Grote, 1424.	
<i>atomaris</i> Hübner, 2915 (Phoberia).		<i>attenuatella</i> Walker, 6068.	
<i>atomosana</i> Walsingham, 5091.		<i>attenuatus</i> Grote, 4594.	
<i>atomosella</i> Zeller, 6346.		Atteva	490
Atopocera	578	<i>attributella</i> Walker, 5608.	
<i>atossa</i> Edwards, 126.		<i>attritella</i> Walker, 5784.	
<i>atra</i> Grote, 1297.		<i>auburniana</i> Harris, 362.	
<i>atrata</i> Hy. Edwards, 954 (Pseudalypia).		<i>audentis</i> Smith, 1636.	
<i>atrata</i> Morrison, 1770 (Pteroscia).		<i>ausfugella</i> Zeller, 5941.	
<i>atratalis</i> Harvey, 1750.		<i>auge</i> Linnæus, 779.	
<i>atrella</i> Hulst, 4802.		<i>augias</i> Hübner, 515.	
<i>atrescens</i> Hulst, 3873.		<i>augmentanus</i> Zeller, 5206.	
<i>atriciliata</i> Grote, 1088.		<i>augusta</i> Hy. Edwards, 2844 (Cato-cala).	
<i>ricincta</i> Smith, 1504.			
<i>atricollaris</i> Haworth, 1361.			
<i>atricornis</i> Grote, 1257.			

Attacus = Calosamia = Sami

	Page.		Page.
<i>augusta</i> Edwards, 155 (Lemonias).		Aurora	457
<i>augustalis</i> Grote, 4463.		<i>aurora</i> Smith & Abbot, 3155.	
<i>augustana</i> Hübner, 5228.		<i>aurosea</i> Neumoegen, 751.	
<i>augustinus</i> Westwood, 371.		<i>aurosparrella</i> Walsingham, 6620.	
<i>augustus</i> Kirby, 371 (Incisalia).		<i>aurostriata</i> Graef, 3157.	
<i>augustus</i> Harvey, 1332 (Onco- nemis).		<i>aurosuffusella</i> Chambers, 6493.	
<i>aulularia</i> Grote, 3892.		<i>aurotus</i> Fabricius, 736.	
<i>aurantiaca</i> Hübner, 834 (Eubaphe).		<i>aurulenta</i> Smith, 1453.	
<i>aurantiaca</i> Hy. Edwards, 2598 (In- cita).		<i>ausonides</i> Boisduval, 44.	
<i>aurantiacella</i> Grote, 4710.		<i>ausonius</i> Lintner, 622.	
<i>aurantiango</i> Guenée, 2225.		<i>austerella</i> Zeller, 6457.	
<i>aurantiana</i> Walsingham, 5209.		<i>australata</i> Hulst, 3413.	
<i>auranticaria</i> Packard, 4019.		<i>australella</i> Hulst, 4782.	
<i>auranticolor</i> Grote, 1249.		<i>australis</i> Grote, 1074 (Baileya).	
<i>auranticolorata</i> Strecker, 3566.		<i>australis</i> Edwards, 322 (Calephe- lis).	
<i>aurata</i> Butler, 906 (Ammalo).		<i>australis</i> Hulst, 3549 (Eois).	
<i>aurata</i> Grote, 3418 (Cenocalpe).		<i>australis</i> Stretch, 4129 (Harrisina).	
<i>aurata</i> Packard, 3373 (Mesoleuca).		<i>australis</i> Maynard, 11 (Papilio).	
<i>auratulis</i> Walker, 4529.		<i>australisella</i> Chambers, 6297 (Lith- ocolletes).	
<i>auratella</i> Clemens, 4622.		<i>australisella</i> Chambers, 5924 (Eco- phora).	
<i>auratus</i> Grote, 6607 (Sthenopsis).		<i>autholea</i> Boisduval, 885.	
<i>aurea</i> Fitch, 5481 (Atteva).		Autocosmia	386
<i>aurea</i> Pagenstecher, 4134 (Dysodia).		Autographa	199
<i>aurea</i> Grote, 1306 (Pseudanarta).		<i>autolycus</i> Edwards, 337.	
<i>aurella</i> Fischer, 2872.		Automeris	73
<i>aureoalbidana</i> Walsingham, 5475.		Autoneda	496
<i>aureofasciella</i> Ragonot, 4859.		<i>autumnalis</i> Cockerell, 65 (Eury- mus).	
<i>aureola</i> Hy. Edwards, 4203.		<i>autumnalis</i> Stromeier, 3388 (Hy- driomena).	
<i>aureolalis</i> Hulst, 4348.		<i>autumnalis</i> Riley, 1302 (Laphyg- ma).	
<i>aureolum</i> Hy. Edwards, 2453.		<i>autumnaria</i> Möschler, 3923.	
<i>aureopurpurea</i> Hy. Edwards, 4223.		<i>autumnata</i> Guenée, 3337 (Epir- rita).	
<i>auretorum</i> Boisduval, 342.		<i>autumnata</i> Packard, 3245 (Palea- crita).	
<i>auricapitana</i> Walsingham, 5052.		<i>auxiliaris</i> Grote, 1517.	
<i>auricinctaria</i> Grote, 2730.		<i>avernalis</i> Grote, 4501.	
<i>auricrinella</i> Walsingham, 6622.		<i>aversus</i> Hy. Edwards, 4125.	
<i>auricristatella</i> Chambers, 6542.		<i>aria</i> Hübner, 870.	
<i>auricyanea</i> Walsingham, 6618.		<i>arimacula</i> Hudson, 3168.	
<i>aurifera</i> Zeller, 4633.		<i>aruncularia</i> Guenée, 3610.	
<i>auriferaria</i> Hulst, 4031.		Axenus	194
<i>auriferella</i> Frey & Boll, 6379.		<i>axillaris</i> Grote & Robinson, 653.	
<i>aurifimbrialis</i> Walker, 4585.		<i>azalea</i> Smith & Abbot, 681.	
<i>aurimaculella</i> Chambers, 5785.		Azelina	344
<i>auriomarginata</i> Cockerell, 215.		Azenia	210
<i>auripennis</i> Butler, 904 (Arctia).		<i>azif</i> Strecker, 1626.	
<i>auripennis</i> Grote, 2918 (Siavana).		Azinaphora	333
<i>aurisignana</i> Zeller, 5289.			
<i>auristrigella</i> Chambers, 6481.			
<i>aurivitta</i> Grote & Robinson, 2720.			
<i>auronitens</i> Frey & Boll, 6302.			
<i>auropulvella</i> Chambers, 6491.			
<i>auropurpurella</i> Chambers, 5996.			

	Page.		Page.
<i>azonalis</i> Walker, 4281.		<i>barberella</i> Busck, 5644 (Neodactylota).	
<i>baal</i> Strecker, 99.		<i>barberiana</i> Dyar, 4114.	
Babaiaxa	526	<i>barda</i> Hy. Edwards, 881.	
<i>babayaga</i> Strecker, 2837.		<i>barnesi</i> Skinner, 194 (Phyciodes).	
<i>baccata</i> Guenée, 3370.		<i>barnesiella</i> Busck, 5747.	
<i>baccatalis</i> Hulst, 4357.		<i>barnesii</i> Smith, 1033 (Apatela).	
<i>baccharisella</i> Busck, 5622.		<i>barnesii</i> Dyar, 6590 (Atopocera).	
<i>bachmani</i> Kirtland, 311.		<i>barnesii</i> French, 2818 (Catocala).	
Bactra	449	<i>barnesii</i> Hulst, 3945 (Gonodontis).	
<i>badia</i> Grote & Robinson, 2885 (Catocala).		<i>barnesii</i> Smith, 1189 (Hadena).	
<i>badia</i> Hy. Edwards, 3187 (Notolophus).		<i>barnesii</i> Smith, 1356 (Oncocnemis).	
<i>badia</i> Packard, 3153 (Schizura).		<i>barnesii</i> Beutenmüller, 4196 (Sanninoidea).	
<i>badiana</i> Schiffermüller, 5245.		<i>barometricus</i> Goossens, 1759.	
<i>badiaria</i> Hy. Edwards, 3339.		<i>baroni</i> Edwards, 121 (Argynnis).	
<i>badicollis</i> Grote, 1426.		<i>baroni</i> Edwards, 258 (Cercyonis).	
<i>badiella</i> Chambers, 6436.		<i>baroni</i> Behrens, 6614 (Hepialus).	
<i>badinodis</i> Grote, 1451.		<i>baroni</i> Hy. Edwards, 156 (Lemonias).	
<i>badiocapitella</i> Chambers, 6186.		<i>baroni</i> Fish, 4986 (Pterophorus).	
<i>badiomaculella</i> Chambers, 5786.		<i>basaliata</i> Walker, 3390.	
<i>badipennis</i> Grote, 4436.		<i>basalis</i> Grote, 2887 (Catocala).	
<i>badistriga</i> Grote, 1312.		<i>basalis</i> Walker, 4149 (Inguromorpha).	
<i>badiusalis</i> Walker, 4492.		<i>basalis</i> Grote, 1716 (Paragrotis).	
<i>baicalcata</i> Bremer, 3450.		<i>basalis</i> Walker, 4507 (Scoparia).	
Baileya	107	<i>basiaria</i> Walker, 3619.	
<i>baileyana</i> Grote, 1417.		<i>basiata</i> Packard, 3619.	
<i>baileyi</i> Grote, 2108.		<i>basicinerea</i> Grote, 2649.	
<i>bairdii</i> Edwards, 17.		<i>basifasciella</i> Zeller, 5561.	
<i>balba</i> Grote, 2342.		<i>basiflava</i> Packard, 3194 (Olene).	
<i>balder</i> Boisduval, 292.		<i>basiflava</i> Smith, 1703 (Paragrotis).	
<i>baldur</i> Edwards, 1.		<i>basigera</i> Walker, 2518.	
<i>balinitis</i> Grote, 1524.		Basilarchia	25
<i>balliola</i> Morrison, 2160.		<i>basilarella</i> Dietz, 5940.	
<i>balistaria</i> Hübner, 3533.		<i>basilaris</i> Zeller, 4767 (Salebria).	
<i>balluca</i> Geyer, 2476.		<i>basilaris</i> Zeller, 6107 (Scythris).	
Balsa	109	<i>basilinea</i> Schiffermüller, 1208.	
<i>baltearia</i> Hulst, 3784.		Basilodes	196
<i>balteata</i> Kirtland, 664 (Ællopos).		Basilona	76
<i>balteata</i> Smith, 1359 (Oncocnemis).		<i>basimaculella</i> Ragonot, 4839.	
<i>balteata</i> Smith, 2652 (Tripudia).		<i>basiochrealis</i> Grote, 4640.	
<i>balteolata</i> Herrich-Schaeffer, 4030.		<i>basiplagana</i> Walsingham, 5412.	
<i>baltimoralis</i> Guenée, 3065.		<i>basipunctana</i> Walsingham, 5093.	
<i>banavahrata</i> Strecker, 3397.		<i>basipunctaria</i> Walker, 3551.1.	
Bandera	440	<i>basistrigella</i> Chambers, 5997 (Coleophora).	
<i>banksiella</i> Busck, 5636.		<i>basistrigella</i> Clemens, 6301 (Lithocolletes).	
<i>baptisia</i> Bird, 2177.		<i>basistrigella</i> Zeller, 5560 (Telphusa).	
<i>baptisiella</i> Fernald, 4654.		<i>basitriens</i> Walker, 3116.	
<i>baracou</i> Lucas, 527.		<i>basquella</i> Chambers, 5729.	
Barathra	157		
<i>barbara</i> Hy. Edwards, 67.			
<i>barberella</i> Busck, 5888 (Depressaria).			

	Page.		Page.
<i>coloradensis</i> Hy. Edwards, 3146 (<i>Ianassa</i>).		<i>commoides</i> Guenée, 1979.	
<i>coloradensis</i> Grote & Robinson, 4346 (<i>Loxostege</i>).		Commophila 488	
<i>coloradensis</i> Riley, 454 (<i>Megathy-</i> <i>mus</i>).		<i>commortalis</i> Grote, 4470.	
<i>coloradensis</i> Riley, 6569 (<i>Prodoxus</i>).		<i>communis</i> Grote, 2870 (<i>Catocala</i>).	
<i>coloradensis</i> Putnam-Cramer, 969 (<i>Raphia</i>).		<i>communis</i> Grote, 642 (<i>Hesperia</i>).	
<i>coloradensis</i> Fernald, 4996 (<i>Stenop-</i> <i>tilia</i>).		<i>communis</i> Grote, 4354 (<i>Loxostege</i>).	
<i>coloradensis</i> Hulst, 3745 (<i>Symph-</i> <i>ta</i>).		<i>comosa</i> Morrison, 1662.	
<i>coloradensis</i> Hy. Edwards, 44 (<i>Syn-</i> <i>chloe</i>).		<i>compensata</i> Walker, 3499.	
<i>coloradensis</i> Hulst, 3290 (<i>Tephro-</i> <i>clystis</i>).		<i>complanoides</i> Frey & Boll, 6451.	
Coloradia 74		<i>complicata</i> Walker, 883 (<i>Apantesis</i>).	
<i>colorado</i> Smith, 1768 (<i>Agrotiphila</i>).		<i>complicata</i> Strecker, 1956 (<i>Helio-</i> <i>phila</i>).	
<i>colorado</i> Scudder, 487 (<i>Erynnis</i>).		<i>complicata</i> Guenée, 4027 (<i>Sabu-</i> <i>lodes</i>).	
<i>colorado</i> Smith, 1348 (<i>Oncocnemis</i>).		Composia 248	
<i>coloradus</i> Smith, 711.		<i>composita</i> Hy. Edwards, 2275.	
<i>coloraria</i> Fabricius, 3759.		<i>compressipalpis</i> Guenée, 2464.	
<i>colorata</i> Walker, 895 (<i>Apantesis</i>).		<i>compressipennis</i> Smith, 1688.	
<i>colorata</i> Grote, 3644 (<i>Sciagraphia</i>).		<i>compta</i> Clemens, 5481 (<i>Atteva</i>).	
<i>columbella</i> Fabricius, 366.		<i>compta</i> Walker, 3148 (<i>Schizura</i>).	
<i>columbia</i> Hy. Edwards, 106 (<i>Argyn-</i> <i>nis</i>).		<i>comptana</i> Frölich, 5252.	
<i>columbia</i> Scudder, 487 (<i>Erynnis</i>).		<i>comptaria</i> Walker, 3331.	
<i>columbia</i> Smith, 2023 (<i>Graphi-</i> <i>phora</i>).		<i>comptella</i> Ragonot, 4701.	
<i>columbia</i> Smith, 741 (<i>Samia</i>).		<i>comptoniella</i> Hulst, 4694.	
<i>columbiana</i> Hy. Edwards, 3083 (<i>Nycteola</i>).		<i>comptulatalis</i> Hulst, 4631.	
<i>columbiana</i> Walsingham, 5187 (<i>Thiodia</i>).		<i>comstocki</i> Grote, 1286.	
<i>columbina</i> Godart, 92.		<i>comstockiana</i> Fernald, 5000.	
Comacla 80		<i>comus</i> Edwards, 532.	
<i>comacornella</i> Hulst, 4684.		<i>comyntas</i> Godart, 442.	
<i>comandruna</i> Fernald, 5326.		<i>cona</i> Strecker, 1637.	
<i>comatulana</i> Zeller, 5098.		Conacontia 213	
<i>combinata</i> Walker, 2920.		<i>conar</i> Strecker, 2008.	
<i>comes</i> Walsingham, 5463.		<i>conchana</i> Hübner, 5060.	
<i>cometana</i> Walsingham, 5264.		<i>conchellus</i> Treitschke, 4583.	
<i>comis</i> Grote, 1832.		<i>conchiformis</i> Grote, 2538.	
<i>comitana</i> Hübner, 5237.		<i>conchis</i> Grote, 1480.	
<i>comma</i> Linnaeus, 487 (<i>Erynnis</i>).		Conchylis 486	
<i>comma</i> Walker, 838 (<i>Haploa</i>).		Conchylodes 375	
<i>comma</i> Harris, 206 (<i>Polygonia</i>).		<i>concinna</i> Warren, 4390 (<i>Autocos-</i> <i>mia</i>).	
<i>commantata</i> Haworth, 3379.		<i>concinna</i> Smith, 2367 (<i>Schinia</i>).	
<i>commelinæ</i> Smith & Abbot, 1299.		<i>concinna</i> Smith & Abbot, 3149 (<i>Schizura</i>).	
<i>commixtalis</i> Walker, 4359.		<i>concinna</i> Hampson, 4297.	
		<i>concinna</i> Clemens, 5017.	
		<i>concinnumacula</i> Guenée, 2604.	
		<i>concinisella</i> Chambers, 5700.	
		<i>concinusella</i> Chambers, 5700.	
		<i>conclisa</i> Walker, 3009.	
		<i>conclisaria</i> Walker, 3954.	
		<i>conclusella</i> Walker, 5768.	
		<i>concolor</i> Zeller, 6433.	

	Page.		Page.
<i>bolterellus</i> Fernald, 4592.		<i>boreata</i> Hübner, 3238 (Opherop- tera).	
<i>bolteri</i> Hy. Edwards, 933 (<i>Æmilia</i>).		<i>borkhausenii</i> Zeller, 5922.	
<i>bolteri</i> Stretch, 909 (<i>Euchaëtias</i>).		<i>borus</i> Boisduval, 340.	
<i>bolteri</i> Smith, 1870 (<i>Mamestra</i>).		<i>boscana</i> , Fabricius, 5303.	
<i>bolteri</i> Smith, 1510 (<i>Noctua</i>).		<i>bosquilla</i> Chambers, 5729 (<i>Gele-</i> <i>chia</i>).	
<i>bolteri</i> Hy. Edwards, 4213 (<i>Sesia</i>).		<i>bosquilla</i> Chambers, 6350 (<i>Gracila-</i> <i>ria</i>).	
<i>bolteri</i> Hulst, 3302.1 (<i>Tephroclystis</i>).		<i>bosquilla</i> Chambers, 6229 (<i>Opos-</i> <i>tega</i>).	
<i>bolteri</i> Hulst, 3890 (<i>Tracheops</i>).		<i>bostonica</i> Frey & Boll, 6319.	
Bombycia	259	<i>bostoniensis</i> Grote, 1631.	
Bombycidae	263	<i>botrana</i> Schiffermüller, 5005.	
<i>bombyciformis</i> Smith, 1376 (<i>Euto-</i> <i>lype</i>).		<i>boucardi</i> Druce, 751 (<i>Automeris</i>).	
<i>bombyciformis</i> Walker, 4183 (<i>Me-</i> <i>mythrus</i>).		<i>boucardi</i> Godman & Salvin, 187 (<i>Phyciodes</i>).	
<i>bombycina</i> Zeller, 6584.		Brachiloma	544
Bombycoidea	76	<i>brachiolum</i> Harvey, 1819.	
<i>bombycoides</i> Walker, 725.		<i>brachyelytrifoliella</i> Chambers, 6078.	
Bombyx	263	<i>brackenridgella</i> Busck, 5794.	
Bomolocha	246	<i>bracteata</i> Fernald, 5271.	
<i>bonifata</i> Hulst, 3521.		Bradypetes	290
<i>bonifatellus</i> Hulst, 4600.		<i>branderiana</i> Haworth, 5359.	
<i>bonuscula</i> Smith, 2074.		<i>brannani</i> Stretch, 946.	
<i>bonusculalis</i> Hulst, 4590.		<i>brasiella</i> Fitch, 5503.	
<i>boopis</i> Behr, 258.		<i>brassicæ</i> Riley, 2496.	
<i>bootes</i> Boisduval, 295.		<i>bredowii</i> Hübner, 243.	
<i>boothii</i> Curtis, 64.		<i>bremnerii</i> Edwards, 108.	
<i>bore</i> Hübner, 295.		<i>brenda</i> Edwards, 281.	
<i>borea</i> Guenée, 1233.		<i>brennus</i> Godman & Salvin, 616.	
<i>borealis</i> Smith, 2146 (<i>Asterosco-</i> <i>pus</i>).		Brenthia	494
<i>borealis</i> Grote & Robinson, 321 (<i>Ca-</i> <i>lephelis</i>).		Brenthis	15
<i>borealis</i> Smith, 1371 (<i>Copipanolis</i>).		Brephidium	46
<i>borealis</i> Hulst, 3620 (<i>Deilinia</i>).		Brephinæ	349
<i>borealis</i> Grote, 4637 (<i>Epipaschia</i>).		<i>brephoides</i> Walker, 4040.	
<i>borealis</i> Smith, 3016 (<i>Epizeuxis</i>).		Brephos	349
<i>borealis</i> Boisduval, 3161 (<i>Harpyia</i>).		<i>brettoides</i> Edwards, 516.	
<i>borealis</i> Fitch, 3190 (<i>Hemero-</i> <i>campa</i>).		<i>brettus</i> Boisduval & Le Conte, 516.	
<i>borealis</i> Möschler, 872 (<i>Hyphoraia</i>).		<i>brevicauda</i> Saunders, 21.	
<i>borealis</i> Hulst, 3452 (<i>Petrophora</i>).		<i>brevicornis</i> Walker, 834.	
<i>borealis</i> Staudinger, 860 (<i>Phragma-</i> <i>tobia</i>).		<i>brevicrista</i> Dyar, 3212.	
<i>borealis</i> Grote, 38 (<i>Pontia</i>).		<i>breviornatalis</i> Grote, 4642.	
<i>borealis</i> Packard, 4453 (<i>Pyrausta</i>).		<i>breviornatana</i> Clemens 5349.	
<i>borealis</i> Lefèvre, 4510 (<i>Scoparia</i>).		<i>brevipennis</i> Stretch, 2429 (<i>Euthisa-</i> <i>notia</i>).	
<i>borealis</i> Hulst, 3286 (<i>Tephroclys-</i> <i>tis</i>).		<i>brevipennis</i> Smith, 1577 (<i>Paragro-</i> <i>tis</i>).	
<i>boreana</i> Zetterstedt, 5409.		<i>brevirostralis</i> Grote, 3041.	
<i>boreasella</i> Chambers, 5921 (<i>Æco-</i> <i>phora</i>).		<i>brevis</i> Grote, 2366.	
<i>boreasella</i> Clemens, 6389 (<i>Ornix</i>).		<i>brevistriga</i> Chambers, 6110.	
<i>boreata</i> Packard, 3259 (<i>Carsia</i>).		<i>brevistrigella</i> Chambers, 6110.	
		<i>brevitella</i> Clemens, 6152.	

	Page.		Page.
<i>breusteriana</i> Robinson, 5307.		<i>brunneicollis</i> Grote, 1391.	
<i>bridghami</i> Grote & Robinson, 1149.		<i>brunneicrista</i> Smith, 1281.	
<i>brillians</i> Ottolengui, 2121.1 (<i>Calocampa</i>).		<i>brunneifasciata</i> Packard, 3336.	
<i>brillians</i> Neumoegen, 2425 (<i>Eupseudomorpha</i>).		<i>brunneigera</i> Morrison, 1659.	
<i>brillians</i> Barnes, 1285 (<i>Feralia</i>).		<i>brunneipennis</i> Grote, 1393 (<i>Rhynchagrotis</i>).	
<i>briseis</i> Edwards, 2854.		<i>brunneipennis</i> Hy. Edwards, 4201 (<i>Sesia</i>).	
<i>brizo</i> Boisduval & Le Conte, 617.		<i>brunneipennis</i> Hulst, 3293 (<i>Tephroclystis</i>).	
<i>brocha</i> Morrison, 1588.		<i>brunneogrisea</i> Hy. Edwards, 4331.	
Bronchelia	328	<i>brunneolineata</i> Hulst, 3919.	
<i>brontes</i> Drury, 694 (<i>Diludia</i>).		<i>brunneomaculata</i> Bates, 3377.	
<i>brontes</i> Denis & Schiffermüller, 469 (<i>Pamphila</i>).		<i>brunneus</i> Busck, 5646 (<i>Prostomeus</i>).	
Brotis	349	<i>bryonia</i> Ochsenheimer, 38.	
Brotolomia	177	Bryophila	106
<i>bruceata</i> Hulst, 3240.		<i>bulubattalis</i> Hulst, 4396.	
<i>brucei</i> Hulst, 4728 (<i>Ambesa</i>).		Buoculatrix	548
<i>brucei</i> Smith, 2117 (<i>Calocampa</i>).		<i>bucephaloides</i> Walsingham, 5198.	
<i>brucei</i> French, 4143 (<i>Cossus</i>).		<i>bucephalus</i> Stephens, 515.	
<i>brucei</i> Elwes, 273 (<i>Erebia</i>).		<i>bucetum</i> Grote, 2947.	
<i>brucei</i> French, 654 (<i>Hemaris</i>).		<i>budea</i> Hübner, 855.	
<i>brucei</i> Edwards, 151 (<i>Lemonias</i>).		<i>buffaloensis</i> Grote, 656 (<i>Hemaris</i>).	
<i>brucei</i> Hy. Edwards, 3097 (<i>Melalopha</i>).		<i>buffaloensis</i> Grote, 2196 (<i>Ochria</i>).	
<i>brucei</i> Hy. Edwards, 867 (<i>Neoarctia</i>).		<i>bullula</i> Grote, 2554.	
<i>brucei</i> Edwards, 295 (<i>Æneis</i>).		<i>bunkeri</i> Grote, 2872.	
<i>brucei</i> Edwards, 17 (<i>Papilio</i>).		<i>bunteana</i> Robinson, 5452.	
<i>brucei</i> Fernald, 4963 (<i>Pterophorus</i>).		<i>burgessi</i> Morrison, 1214.	
<i>brucei</i> Smith, 2345 (<i>Schinia</i>).		<i>burgessiana</i> Zeller, 5248.	
Bruceia	80	<i>burgessiella</i> Zeller, 6378.	
<i>brullei</i> Lefèvre, 3444.		<i>buristriga</i> Chambers, 6110.	
<i>brumella</i> Clemens, 5788.		<i>burseræ</i> Dyar, 2543.	
<i>brumosa</i> Guenée, 1026.		<i>burserella</i> Busck, 6383.	
<i>brunnea</i> Stretch, 795 (<i>Ctnucha</i>).		Busckia	563
<i>brunnea</i> Grote & Robinson, 3133 (<i>Heterocampa</i>).		<i>busckiella</i> Kearfott, 5523.	
<i>brunnea</i> Strecker, 855 (<i>Hyphantria</i>).		Butalis	537
<i>brunnea</i> Walsingham, 6536 (<i>Phryganeopsis</i>).		<i>butlerii</i> Edwards, 137.	
<i>brunnearia</i> Packard, 3590 (<i>Aploides</i>).		<i>butyrosa</i> Butler, 4415.	
<i>brunnearia</i> Packard, 3709 (<i>Cymatophora</i>).		<i>buxea</i> Grote, 2263.	
<i>brunneata</i> Packard, 3709 (<i>Cymatophora</i>).		Buzala	399
<i>brunneata</i> Thunberg, 3695 (<i>Macaria</i>).		<i>byssinella</i> Hübner, 5500.	
<i>brunneata</i> Packard, 3379 (<i>Mesoleuca</i>).		Byssodes	349
<i>brunneiciliata</i> Packard, 3372.		<i>byssus</i> Edwards, 562.	
		<i>cabelus</i> Edwards, 493.	
		Cabera	305
		<i>caberata</i> Guenée, 4020.	
		Caberodes	345
		<i>cablei</i> von Reizenstein, 728.	
		<i>cacabella</i> Hulst, 4776.	
		Cacelice	545
		Cacœcia	478
		Caconome	563
		Cacozelia	414

	Page.		Page.
<i>cacuminalis</i> Walker, 3040.		Calera	441
<i>cacuminaria</i> Packard, 3498.		Calosesia	371
<i>cacuminata</i> Morrison, 3498.		<i>calgariana</i> Smith, 1983	
<i>cadaverosa</i> Grote, 906 (Ammalo)		<i>calgury</i> Smith, 1508.	
<i>cadaverosa</i> Strecker, '309 (Hypo-		Calidota	95
<i>prepia</i>).		<i>californis</i> Walsingham, 5515 (Gly-	
<i>cadmia</i> Guenée, 3171.		<i>phipteryx</i>).	
<i>caluca</i> Grote, 2610.		<i>californis</i> Walker, 848 (Leptarctia).	
<i>calucalis</i> Walker, 3069.		<i>californiana</i> Walsingham, 5353	
<i>calca</i> Strecker, 847.		(Epagoge)	
<i>calculus</i> Warren, 4289 (Diastictis).		<i>californiana</i> Ménétries, 65 (Eury-	
<i>calculus</i> Walker, 4510 (Scoparia).		<i>mus</i>).	
<i>calcella</i> Zeller 5759.		<i>californiaria</i> Packard, 3797 (Alcis).	
<i>calcululus</i> Zeller 4400.		<i>californiaria</i> Packard, 3760 (Ene-	
<i>calcaria</i> Hulst, 3925.		<i>mera</i>)	
<i>calnis</i> Grote, 1632.		<i>californiaria</i> Packard, 3550 (Eois).	
<i>calvus</i> Linnaeus, 320		<i>californiaria</i> Herrich-Schaeffer,	
Calurgia	220	3772 (Platea).	
<i>carulea</i> Grote, 2756 (Drasteria).		<i>californiaria</i> Packard, 3652 (Scia-	
<i>carulea</i> Godman & Salvin, 228		<i>graphia</i>).	
(Eunica).		<i>californiata</i> Packard, 3550 (Eois).	
<i>caruleana</i> Walsingham, 5277.		<i>californiata</i> Packard, 3333 (Eu-	
<i>carulescens</i> Holland, 97.		<i>clueca</i>).	
<i>caruana</i> Freyer 3373.		<i>californiata</i> Packard, 3391 (Hydrio-	
<i>carthalana</i> Zeller 5071.		<i>mena</i>).	
<i>casiana</i> Hulst, 3668.		<i>californiata</i> Packard, 3456 (Petro-	
<i>casata</i> Denis & Schiffenmüller,		<i>phora</i>).	
3373.		<i>californiata</i> Packard, 3342 (Phile-	
<i>casius</i> Smith, 1744.		<i>reme</i>).	
<i>casoria</i> Grote, 4105 (Tortricidia).		<i>californiata</i> Packard, 3652 (Scia-	
<i>casoria</i> Stoll, 61 (Zerene).		<i>graphia</i>).	
<i>caspitata</i> Boisduval, 646.		<i>californiata</i> v. Gumpenberg, 3277	
<i>caspitellus</i> Zeller, 4006.		(Tephroclystis).	
<i>casitella</i> Zeller, 4875.		<i>californica</i> Speyer, 2492 (Auto-	
<i>casia</i> Linnaeus, 904.		<i>grapha</i>).	
<i>casius</i> Cramer, 689 (Dilophonota).		<i>californica</i> Behr, 2969 (Capnodes).	
<i>casius</i> Herrich-Schaeffer, 597 (Tho-		<i>californica</i> Hy Edwards, 2831	
<i>rylus</i>).		(Catocala).	
<i>cayana</i> Reakirt, 437.		<i>californica</i> Doubleday & Hewitson,	
<i>calus</i> Scudder, 291.		279 (Coenonympha).	
<i>calami</i> Harvey, 2259.		<i>californica</i> Dyar, 3069 (Datana).	
<i>calamanea</i> Cramer, 2952.		<i>californica</i> Stretch, 3223 (Epic-	
Calamochrous	386	<i>naptera</i>)	
Calamotropha	404	<i>californica</i> Packard, 851 (Estig-	
Calantica	491	<i>mene</i>).	
<i>calanaria</i> Hubner 347.		<i>californica</i> Boisduval, 216 (Eugo-	
<i>calceolaria</i> Butler & Druce, 84 (Eur-		<i>nia</i>).	
<i>ema</i>).		<i>californica</i> Walker, 922 (Hali-	
<i>calceolaria</i> Strecker, 2003 (Orth-		<i>dotia</i>).	
<i>odes</i>).		<i>californica</i> Wright, 758 (Hemi-	
<i>calchas</i> Fabricius, 12 (Papilio)		<i>leuca</i>).	
<i>calchas</i> Behr, 430 (Rusticus).		<i>californica</i> Behr, 3081 (Hypena).	
Calchis	35	<i>californica</i> Packard, 859 (Isia).	

	Page.		Page.
<i>californica</i> Butler, 243 (<i>Limnitis</i>).		Callophrys	39
<i>californica</i> Packard, 3218 (<i>Malacosoma</i>).		Callopietria	216
<i>californica</i> Walker, 3219 (<i>Malacosoma</i>).		Callosamia	72
<i>californica</i> Reakirt, 306 (<i>Mechanitis</i>).		Calocalpe	276
<i>californica</i> Boisduval, 290 (<i>Oeneis</i>).		Calocampa	171
<i>californica</i> Packard, 4618 (<i>Ommatopteryx</i>).		Calophasia	119
<i>californica</i> Smith, 2245 (<i>Orrhodia</i>).		Caloplusia	202
<i>californica</i> Ménétries, 18 (<i>Papilio</i>).		Calostygia	288
<i>californica</i> Stretch, 3118 (<i>Pheosia</i>).		Calothyrsanis	290
<i>californica</i> Packard, 3089 (<i>Phryganidia</i>).		Calpe	198
<i>californica</i> Scudder, 471 (<i>Potanthus</i>).		<i>calphurnia</i> Hy. Edwards, 2878.	
<i>californica</i> Packard, 4451 (<i>Pyrausta</i>).		Calpodes	54
<i>californica</i> Grote, 742 (<i>Samia</i>).		<i>calverleyii</i> Grote, 22.	
<i>californica</i> Edwards, 340 (<i>Thecla</i>).		<i>calvina</i> Druce, 4030.	
<i>californica</i> Behr, 1891 (<i>Xylomiges</i>).		<i>calycanthata</i> Smith & Abbot, 2991.	
<i>californicus</i> Boisduval, 4039 (<i>Brephos</i>).		<i>calyce</i> Edwards, 36.	
<i>californicus</i> Boisduval, 6616 (<i>Hepialus</i>).		Calycopis	38
<i>californicus</i> Grote, 2406 (<i>Meliclectria</i>).		Calymnia	182
<i>californicus</i> Walsingham, 4931 (<i>Trichoptilus</i>).		<i>cambrica</i> Curtis, 3329.	
<i>californiella</i> Ragonot, 4927.		<i>cambricaria</i> Guenée, 3329.	
<i>caliginella</i> Hulst, 4701.		<i>camerta</i> Cramer, 301 (<i>Cissia</i>).	
<i>caliginosana</i> Walker, 5309.		<i>camertus</i> Cramer, 665 (<i>Triptogon</i>).	
<i>calignosalis</i> Walker, 4510.		<i>camillus</i> Edwards, 192.	
<i>calignosellus</i> Clemens, 4607.		<i>camina</i> Smith, 1096.	
<i>calipusaria</i> Walker, 3902.		Campsa	335
Calledapteryx	350	<i>campalis</i> Guenée, 4292.	
<i>calleta</i> Westwood, 743.		<i>campestrana</i> Zeller, 5066.	
<i>callias</i> Edwards, 272.		<i>campestris</i> Boisduval, 512 (<i>Hylephila</i>).	
Callicista	38	<i>campestris</i> Grote, 1707 (<i>Paragrotis</i>).	
<i>callida</i> Grote, 1954.		<i>campestris</i> Boisduval, 191 (<i>Phyciodes</i>).	
Callidryas	7	<i>campicolana</i> Walsingham, 5459.	
<i>calligera</i> Zeller, 5483.		Campometra	236
Callima	525	Camptogramma	280
<i>callina</i> Boisduval, 193.		<i>camurellus</i> Clemens, 4589.	
Calliomma	64	<i>cana</i> Robinson, 5341 (<i>Cenopsis</i>).	
<i>callipeplella</i> Hulst, 4665.		<i>cana</i> Walker, 817 (<i>Clemensia</i>).	
<i>callippe</i> Boisduval, 116.		<i>cana</i> Walker, 3127 (<i>Dasylophia</i>).	
Callipsyche	39	<i>cana</i> Martyn, 726 (<i>Lapara</i>).	
Callitriche	196	<i>cana</i> Hy. Edwards, 3189 (<i>Notolophus</i>).	
<i>callitrichoides</i> Grote, 2573.		<i>canace</i> Edwards, 195.	
Callizxia	350	<i>canadaria</i> Guenée, 3858.	
		<i>canadensis</i> Smith & Dyar, 980 (<i>Apate</i>).	
		<i>canadensis</i> Bethune, 2467 (<i>Calpe</i>).	
		<i>canadensis</i> Guenée, 670 (<i>Deilephila</i>).	
		<i>canadensis</i> Busck, 5878 (<i>Depressaria</i>).	
		<i>canadensis</i> Smith, 1794 (<i>Mamestra</i>).	
		<i>canadensis</i> Boisduval, 713 (<i>Sphinx</i>).	

	Page.		Page.
<i>cornelia</i> Edwards, 104 (Argynnis).		<i>costamaculalis</i> Snellen, 4478.	
<i>cornelia</i> Neumoegen & Dyar, 4157 (Hypopta).		<i>costalis</i> Fabricius, 4513 (Hypopygia).	
<i>cornelius</i> Godart, 296.		<i>costalis</i> Doubleday & Hewitson, 625 (Thanaos).	
<i>cornella</i> Walsingham, 6009.		<i>costarufocella</i> Chambers, 5658.	
<i>corni</i> Hy. Edwards, 4222.		<i>costata</i> Strecker, 831 (Eubaphe).	
<i>corniella</i> Ragonot, 4680.		<i>costata</i> Grote, 1411 (Rhynchagrotis).	
<i>cornifoliata</i> Riley, 5257.		<i>costiferalis</i> Walker, 4514.1.	
<i>cornifoliella</i> Clemens, 6121.		<i>costiguttata</i> Hulst, 3405.	
Cornifrons	394	<i>costimaculalis</i> Fernald, 4460.	
<i>cornix</i> Guenée, 2985.		<i>costimaculana</i> Fernald, 5046.	
<i>cornuta</i> Grote, 1441.		<i>costinotata</i> Walker, 3426.	
<i>corollaria</i> Perry, 753.		<i>costipunctella</i> Möschler, 5729.	
<i>coronaria</i> Strecker, 4045.		<i>costolutella</i> Chambers, 5664.	
<i>coronatella</i> Clemens, 6238.		<i>costomaculana</i> Clemens, 5217.	
<i>coronides</i> Druce, 2440.		<i>costorata</i> Haworth, 3463.	
<i>coroniella</i> Clemens, 6351.		<i>costorufocella</i> Chambers, 5658.	
<i>coronis</i> Behr, 115.		<i>costosignella</i> Clemens, 6498.	
<i>corosana</i> Walsingham, 5152.		<i>costostrigella</i> Chambers, 6499.	
<i>correllatum</i> Hulst, 3853.		Cosymbia	291
<i>corrusca</i> Strecker, 2524.		<i>cottalis</i> Walker, 4279.	
<i>corruscifasciella</i> Chambers, 6558.		<i>couperii</i> Grote, 419.	
<i>corruscipennella</i> Clemens, 6010.		<i>coyote</i> Skinner, 593.	
<i>corticea</i> Walker, 3148.		<i>crabroniformis</i> Denis & Schiffermüller, 4188.	
<i>corticosa</i> Guenée, 1057.		Crambidia	79
<i>corusca</i> Smith, 1349 (Oncocnemis).		Crambidinae	403
<i>corusca</i> Hy. Edwards, 4227 (Sesia).		<i>crambidoides</i> Grote, 4624.	
<i>coruscana</i> Clemens, 5056.		<i>crambis</i> Freyer, 295.	
<i>corrina</i> Boisduval, 797.		<i>crambitana</i> Walsingham, 5085.	
<i>corylana</i> Hübner, 5245 (Ancyli).		<i>crambitella</i> Walsingham, 5837.	
<i>corylanum</i> Fernald, 5022 (Exartema).		Crambodes	108
<i>coryliella</i> Chambers, 6308 (Lithocolletes).		Crambus	404
<i>coryliella</i> Chambers, 5650 (Menes).		<i>crameri</i> Schaus, 691 (Dilophonota).	
<i>corylifoliella</i> Clemens, 6011 (Coleophora).		<i>crameri</i> Ménétries, 675 (Pachylia).	
<i>corylifoliella</i> Clemens, 6193 (Nephticula).		<i>crantor</i> Cramer, 679.	
<i>corylisella</i> Chambers, 6308.		Craspedia	294
Coryphista	276	<i>crassata</i> Hulst, 3727 (Cymatophora).	
Corythea	285	<i>crassatus</i> Haworth, 3079 (Plathy-pena).	
<i>coscinia</i> Herrich-Schaeffer, 549.1.		<i>crassifasciella</i> Ragonot, 4739.	
Cosmia	179	<i>crassinervella</i> Zeller, 5480.	
<i>cosmodactyla</i> Hübner, 4937.		<i>crassipes</i> Smith, 1387.	
Cosmoites	535	<i>crassus</i> Herrich-Schaeffer, 1145.	
Cosmopteryx	534	<i>crassiuscula</i> Haworth, 2755.	
Cosmorhoe	278	<i>cratagella</i> Clemens, 6270 (Lithocolletes).	
Cosmosoma	76	<i>cratagella</i> Busck, 5600 (Recur-varia).	
Cossidae	362	<i>cratagi</i> Saunders, 2892 (Catocala).	
Cossula	363		
Cossus	362		

	Page.		Page.
<i>carnosa</i> Grote, 2257.		<i>castanecafoliella</i> Chambers, 6189.	
<i>carolina</i> Hy. Edwards, 785 (Eucer- eon).		<i>castanealis</i> Hulst, 4479.	
<i>carolina</i> Harris, 839 (Haploa).		<i>castaneana</i> Walsingham, 5151.	
<i>carolina</i> Linnaeus, 697 (Phlegethon- tius).		<i>castanella</i> Walsingham, 6318 (Litho- colletes).	
<i>carolina</i> Skinner, 565 (Phycanassa).		<i>castanella</i> Walsingham, 6434 (Tis- cheria).	
<i>carolinana</i> Walsingham, 5150.		<i>castaneum</i> Beutenmüller, 4184.	
<i>caroliniana</i> Petiver, 61.		<i>castanipennella</i> Walsingham, 6004.	
<i>carpenterellus</i> Packard, 4562.		<i>castella</i> Walsingham, 5485.	
<i>carpenterii</i> Edwards, 99.		<i>castellalis</i> Guenée, 4285.	
Carphoxera	295	<i>castoria</i> Reakirt, 38.	
<i>carpinifolia</i> Boisduval, 3223.		<i>castro</i> Reakirt, 396.	
Carpocapsa	471	Catabena	108
Carposina	489	<i>catachloa</i> Hulst, 3588.	
Carsia	268	Cataclysta	396
<i>carus</i> Edwards, 498 (Erynnis).		<i>cataclystiana</i> Walker, 5096.	
Carvanca	404	<i>catalina</i> Smith, 1187 (Hadena).	
<i>carya</i> Grote, 4688 (Acrobasis).		<i>catalina</i> Reakirt, 421 (Phædrotus).	
<i>carya</i> Shimer, 5268 (Ancyliis).		<i>catalpa</i> Boisduval, 724.	
<i>carya</i> Robinson, 5330 (Epagoge).		Catamola	414
<i>carya</i> Harris, 923 (Halisidota).		<i>cataphracta</i> Grote, 2187.	
<i>caryalbella</i> Chambers, 6251.		Catastega	511
<i>caryafoliella</i> Clemens, 6003 (Coleo- phora).		Catastictis	311
<i>caryafoliella</i> Clemens, 6288 (Litho- colletes).		<i>catenaria</i> Cramer, 3886.	
<i>caryafoliella</i> Clemens, 6190 (Nepti- cula).		<i>catenula</i> Grote, 1553.	
<i>carya-foliellus</i> Chambers, 5684 (Yp- solophus).		<i>catenulalis</i> Grote, 4434.	
<i>caryarorella</i> Hulst, 4690 (Acroba- sis).		<i>catenulata</i> Grote, 4023.	
<i>caryarorella</i> Packard, 5791 (Gele- chia).		Caterva	331
<i>caryalbella</i> Walsingham, 6261.		Catharylla	411
<i>caryana</i> Fitch, 5268.		<i>catherina</i> Grote, 1428.	
<i>carye</i> Hübner, 222.		Catocala	224
<i>caryirorella</i> Ragonot, 4690.		Catocalinæ	219
<i>cassandra</i> Hy. Edwards, 2842.		Catoclothia	276
<i>cassella</i> Walker, 5792.		Catoptria	404
<i>cassius</i> Morrison, 452.		Catopyrrha	317
<i>cassus</i> Edwards, 466.		<i>catullus</i> Fabricius, 605.	
<i>casta</i> Hy. Edwards, 2585 (Anna- phila).		<i>caucasica</i> Herrich-Schaeffer, 900.	
<i>casta</i> Sanborn, 803 (Crambidia).		<i>caudana</i> Haworth, 5299.	
<i>casta</i> Kirby, 38 (Pontia).		<i>caudatum</i> Harris, 4170.	
<i>castalis</i> Edwards, 360.		<i>cautella</i> Walker, 4875.	
<i>castanea</i> Grote, 1237.		Cautethia	67
<i>castanecella</i> Chambers, 6318 (Litho- colletes).		<i>carillaria</i> Hulst, 3912.1.	
<i>castanecella</i> Chambers, 6434 (Tis- cheria).		<i>cayennaria</i> Packard, 3948.	
		Cayuga	438
		Cea	183
		<i>ceanothi</i> Behr, 742 (Samia).	
		<i>ceanothi</i> Walsingham, 6447 (Tis- cheria).	
		<i>cecropia</i> Linnaeus, 739.	
		<i>cecropis</i> Fabricius, 365.	
		<i>celano</i> Hübner, 295.	
		Celama	351

	Page.		Page.
<i>celaturia</i> Hulst, 3628.		<i>cerealis</i> Zeller, 4359.	
<i>celeris</i> Grote, 2401.		<i>cereana</i> Linnæus, 4636.2.	
<i>celeus</i> Hübner, 696.		<i>cerella</i> Fabricius, 4636.2.	
<i>celia</i> Skinner, 462 (<i>Amblyscirtes</i>).		<i>ceres</i> Butler, 279.	
<i>celia</i> Saunders, 891 (<i>Apantesis</i>).		<i>cereus</i> Doubleday, 320.	
<i>celia</i> Hy. Edwards, 2864 (<i>Cato-</i>		<i>cerina</i> Grote, 2171.	
<i>cala</i>).		<i>cerintha</i> Treitschke, 2656.	
<i>celiana</i> Robinson, 5308.		<i>cerivana</i> Smith, 1208.	
<i>celimene</i> Cramer, 294.		Cerma 106	
Celiptera 235		<i>cernes</i> Harris, 557 (<i>Limochroes</i>).	
<i>cellus</i> Boisduval & Le Conte, 586.		<i>cernes</i> Boisduval & Le Conte, 523	
Celma 268		(<i>Thymelicus</i>).	
<i>celsa</i> Hy. Edwards, 2514.		<i>cerogana</i> Guenée, 2872.	
<i>celtidella</i> Hulst, 4760.		<i>ceromatica</i> Grote, 2239.	
<i>celtifoliella</i> Chambers, 6286.		Cerostoma 491	
<i>celtiphaga</i> Harvey, 3138.		<i>cerulea</i> Ehrman, 236.	
<i>celtis</i> Boisduval & Le Conte, 244.		Cerura 256	
<i>celtisana</i> Riley, 5136.		<i>cerusana</i> Duponchel, 5304 (<i>Acleris</i>).	
<i>celtisella</i> Chambers, 6286.		<i>cerusana</i> Hübner, 5303 (<i>Acleris</i>).	
<i>cembraria</i> Motschulsky, 3695.		<i>cerussata</i> Grote, 2183 (<i>Papaipema</i>).	
Cemiostoma 562		<i>cerussata</i> Grote, 4032 (<i>Phrygionis</i>).	
Cenopis 476		<i>cerrana</i> Eversmann, 5143.	
<i>centaureæ</i> Rambur, 644.		<i>cervella</i> Walsingham, 5496.	
<i>centerensis</i> Lintner, 4142.		<i>cerviana</i> Smith, 1208.	
<i>centralis</i> Smith, 1248 (<i>Hadena</i>).		<i>cerrina</i> Hy. Edwards, 2751 (<i>Cis-</i>	
<i>centralis</i> Walker, 4118 (<i>Pyro-</i>		<i>sura</i>).	
<i>morpha</i>).		<i>cerrina</i> Hy. Edwards, 2718 (<i>Euher-</i>	
<i>centralis</i> Grote, 3045 (<i>Renia</i>).		<i>richia</i>).	
<i>centrana</i> Herrich-Schaeffer, 5472.		<i>cervina</i> Smith, 1856 (<i>Mamestra</i>).	
<i>centumnotata</i> Schülz, 3379.		<i>cerrina</i> Smith, 1130 (<i>Perigea</i>).	
<i>centuriella</i> Schiffermüller, 4510.		<i>cervinana</i> Fernald, 5323.	
<i>ceos</i> Edwards, 608.		<i>cervinaria</i> Blanchard, 3698 (<i>Cyna-</i>	
<i>cephalica</i> Grote & Robinson, 802		<i>tophora</i>).	
(<i>Crambidia</i>).		<i>cervinaria</i> Packard, 3642 (<i>Epise-</i>	
<i>cephalica</i> Smith, 2393 (<i>Stylopoda</i>).		<i>masia</i>).	
<i>cephalonhiella</i> Chambers, 6162.		<i>cervinaria</i> Packard, 4018 (<i>Sabu-</i>	
<i>cephisaria</i> Grote, 3435.		<i>lodes</i>).	
<i>cephise</i> Cramer, 4035.		<i>cervinicolor</i> Hulst, 3638.	
<i>ceramica</i> Hübner, 892.		<i>cervinidactylus</i> Packard, 4956.	
Cerapoda 128		<i>cervinifascia</i> Walker, 3350.	
<i>cerasivorana</i> Fitch, 5360.		<i>cervinoides</i> Strecker, 886.	
<i>cerasivorella</i> Packard, 6005.		<i>cervinus</i> Walsingham, 6585.	
Cerathosia 217		<i>cerysii</i> Kirby, 730.	
Ceratocampidæ 75		<i>cespitalis</i> Grote & Robinson, 900.	
Ceratoclasia 375		<i>cespitella</i> Hübner, 4579.	
Ceratodalia 282		<i>cespitiella</i> Hulst, 6006.	
Ceratomia 69		<i>cespititiella</i> Riley, 6006.	
Ceratomyx 329		<i>cestalis</i> Hulst, 4512.	
<i>cercerisella</i> Chambers, 5714.		<i>cestata</i> Hulst, 3316.	
<i>cercyon</i> Burmeister, 687.		<i>cestus</i> Edwards, 553.	
Cercyonis 27		<i>cethura</i> Felder, 47.	
<i>cerea</i> Hübner, 320.		<i>ceto</i> Westwood, 4162.	
<i>cereulella</i> Olivier, 5552.		<i>chalcana</i> Packard, 5437.	

	Page.	
<i>chalcedon</i> Doubleday & Hewitson, 148.		<i>chiococcella</i> Busck, 6452.
<i>chalcedonia</i> Hübner, 1137.		<i>chionanthi</i> Smith & Abbot, 137 (Adita).
Chalceria	41	<i>chionanthi</i> Smith & Abbot, 68 (Phlegethontius).
<i>chalcis</i> Behr, 353.		<i>chione</i> Curtis, 64.
Chalcoela	412	<i>chionosema</i> Zeller, 5047.
<i>chalcofrontella</i> Clemens, 5970.		Chipota
Chalcosidæ	360	<i>chippewa</i> Edwards, 74.
Chalia	353	<i>chiricahua</i> Poling, 2861.
Chalinitis	401	<i>chiridota</i> Grote, 4060.
<i>chalybælla</i> Walsingham, 6061.		<i>chiriguensis</i> Dyar, 3109.
<i>chalybeana</i> Fernald, 5322 (Acleris).		<i>chiron</i> Fabricius, 233.
<i>chalybeana</i> Walsingham, 5055 (Olethreutes).		<i>chironias</i> Hübner, 233.
<i>chalybeis</i> Zeller, 6553.		<i>chitone</i> Edwards, 120.
<i>chalybirostris</i> Zeller, 4585.		Chlænogramma
<i>chamæchrysaria</i> Grote, 3615.		Chloraspilates
Chamæclea	186	Chloridea
<i>chambersella</i> Dyar, 5994 (Coleophora).		<i>chlorina</i> Skinner, 439.
<i>chambersella</i> Dyar, 5910 (Ethmia).		Chlorippe
<i>chambersella</i> Walsingham, 6300 (Lithocolletes).		<i>chloris</i> Herrich-Schaeffer, 4080.
<i>chambersella</i> Murtfeldt, 5667 (Trichotaphe).		Chlorissa
Chambersia	526	Chlorochlamys
<i>chamænerii</i> Harris, 670.		Chloroclysta
Chamyris	213	Chloroclystis
<i>chandleri</i> Grote, 1338.		<i>chloroleucaria</i> Guenée, 3561.
<i>chapmani</i> Grote, 3134.		<i>chlorophasma</i> Butler, 4279.
<i>chara</i> Edwards, 173.		<i>chlorophora</i> Hübner, 2234.
<i>characta</i> Grote, 1160.		Chloropteryx
Charadra	98	Chlorosea
<i>chariclea</i> Schneider, 137.		<i>chlorostigma</i> Harvey, 1204.
Charidryas	20	Chlosyne
<i>charie</i> Blanchard, 222.		Chæphora
<i>charithonia</i> Linnaeus, 304.		<i>charilus</i> Cramer, 681.
<i>charlottii</i> Barnes, 98.		Chærodes
Charommatea	294	<i>chorda</i> Grote, 1320.
<i>charon</i> Edwards, 263.		Choreutis
<i>chartaria</i> Grote, 1817.		<i>choriona</i> Reakirt, 834.
<i>chatfeldii</i> Grote, 3174.		<i>choris</i> Harvey, 1669.
Chauliodus	541	Chorizagrotis
Cheimatobia	266	<i>chortalis</i> Grote, 4347 (Loxostege).
<i>chelidonia</i> Grote, 2896.		<i>chortalis</i> Harvey, 1750 (Richia).
<i>chemnis</i> Fabricius, 550.		<i>christina</i> Edwards, 69.
<i>chenopodii</i> Fabricius, 1801.		<i>chromalis</i> Guenée, 4312.
<i>chersis</i> Hübner, 706.		Chrysauginæ
Chesiadodes	324	<i>chryseis</i> Olivier, 846.
Chesias	267	<i>chryselectra</i> Grote, 1171.
<i>chicorii</i> Grote & Robinson, 900.		<i>chrysellus</i> Grote, 2324.
Chilo	412	Chrysendeton
Chilocampyla	557	Chrysobia
		<i>chrysomelus</i> Hy. Edwards, 68.
		Chrysopeleia
		Chrysophanus

	Page.		Page.
<i>chrysopsis</i> Grote, 2444.		<i>cinerascens</i> Smith, 1433 (Pachno-	
Chrysopora	497	bia).	
<i>chrysorrhœa</i> Linnæus, 3197.		<i>cinerea</i> Haworth, 6401 (Coriscium).	
Chrysoteuchia	404	<i>cinerea</i> Edwards, 440 (Cyaniris).	
<i>chryxus</i> Doubleday & Hewitson,		<i>cinerea</i> Smith, 1254 (Epidemas).	
291.		<i>cinerea</i> Walker, 3162 (Harpyia).	
<i>chusca</i> Edwards, 517.		<i>cinerea</i> Morrison, 2998 (Homop-	
Chytolita	243	tera).	
Chytonix	107	<i>cinerea</i> Schaus, 3143 (Misogada).	
Chytoryza	204	<i>cinerea</i> Staudinger, 1432 (Pachno-	
<i>cibalis</i> Grote, 1358.		bia).	
<i>cicatricosa</i> Grote & Robinson, 1572.		<i>cinerea</i> Harris, 706 (Sphinx).	
Cicinnus	352	<i>cinerea</i> Riley, 2090 (Xylina).	
Cidaria	286	<i>cinereana</i> Neumoegen & Dyar, 3083.	
<i>ciliæochrella</i> Chambers, 6006.		<i>cinereata</i> Bates, 3656.	
<i>cilialineella</i> Chambers, 5543.		<i>cinereella</i> Hulst, 4814.	
<i>ciliata</i> Smith, 1355 (Oncocnemis).		<i>cinerella</i> Chambers, 6007 (Coleo-	
<i>ciliata</i> Smith, 2375 (Schinia).		phora).	
<i>cilicoides</i> Grote, 4050.		<i>cinerella</i> Hulst, 4855 (Honora).	
<i>ciliella</i> Stainton, 5863.		<i>cinerella</i> Murfeldt, 5617 (Phthori-	
<i>cilium</i> Guenée, 1103.		mæa).	
Cilla	206	<i>cinereocostella</i> Clemens, 5891.	
<i>cilla</i> Behr, 424.		<i>cinereofrons</i> Packard, 3148.	
<i>cillene</i> Cramer, 90.		<i>cinereoides</i> Dyar, 3162.	
<i>ciliæfuschella</i> Chambers, 6197.		<i>cinereola</i> Hulst, 3731 (Cymatopho-	
<i>cimbiciformis</i> Stephens, 656.		ra).	
<i>cincinnatiella</i> Chambers, 6287.		<i>cinereola</i> Guenée, 2540 (Ogdoconta).	
Cinclidia	18	<i>cinereola</i> Smith, 2212 (Selicanis).	
<i>cincta</i> Edwards, 198 (Anthanasia).		<i>cinereomaculata</i> Morrison, 1719.	
<i>cincta</i> Smith, 2970 (Kakopoda).		<i>cinereus</i> Packard, 3141 (Hetero-	
<i>cinctaria</i> French, 3881 (Phigalia).		campa).	
<i>cinctarius</i> Hulst, 3814 (Tornos).		<i>cinereus</i> Riley, 6572 (Prodoxus).	
<i>cinctella</i> Hübner, 5862 (Depressa-		<i>cineridactylus</i> Fitch, 4981.	
ria).		<i>cineritia</i> Grote, 2120.	
<i>cinctella</i> Hulst, 4803 (Megasis).		<i>cinerosa</i> Grote, 690 (Dilophonota).	
<i>cinctipalpis</i> Smith, 2961.		<i>cinerosa</i> Grote & Robinson, 4457	
<i>cinctipedalis</i> Walker, 4423.		(Pyræusta).	
<i>cinctipes</i> Grote, 921.		<i>cinerosa</i> Grote, 2092 (Xylina).	
<i>cinctus</i> Tepper, 738.		Cingilia	331
Cindaphia	383	Cinglis	293
<i>cinderella</i> Riley, 5319 (Acleris).		<i>cingulata</i> Fabricius, 699.	
<i>cinderella</i> Smith, 985 (Apatela).		<i>cingulifera</i> Walker, 2992.	
<i>cinderella</i> Smith, 2133 (Cucullia).		<i>ciniflonella</i> Zeller, 5869.	
<i>cinefacta</i> Grote, 1247.		<i>cinis</i> Guenée, 2774.	
<i>cineraceus</i> Fish, 4985.		<i>cinnabarina</i> Grote, 1830.	
<i>cineraria</i> Walker, 3862 (Ectropis).		<i>cinnamomea</i> Boisduval, 934.	
<i>cineraria</i> Packard, 3746 (Sympher-		<i>cipris</i> Cramer, 54.	
ta).		<i>circe</i> Hy. Edwards, 660.	
<i>cinerascens</i> Walsingham, 4960 (Alu-		<i>circe</i> Strecker, 2859.	
cita).		<i>circulana</i> Hübner, 5079.	
<i>cinerascens</i> Walker, 3137 (Hetero-		<i>circulifera</i> Walker, 964.	
campa).		<i>circumcincta</i> Smith, 1832.	

	Page.	
<i>coloradensis</i> Hy. Edwards, 3146 (<i>Ianassa</i>).		<i>commoides</i> Guenée, 1979.
<i>coloradensis</i> Grote & Robinson, 4346 (<i>Loxostege</i>).		Commophila
<i>coloradensis</i> Riley, 454 (<i>Megathy-</i> <i>mus</i>).		<i>commortalis</i> Grote, 4470.
<i>coloradensis</i> Riley, 6569 (<i>Prodoxus</i>).		<i>communis</i> Grote, 2870 (<i>Catocala</i>).
<i>coloradensis</i> Putnam-Cramer, 969 (<i>Raphia</i>).		<i>communis</i> Grote, 642 (<i>Hesperia</i>).
<i>coloradensis</i> Fernald, 4996 (<i>Stenop-</i> <i>tilia</i>).		<i>communis</i> Grote, 4354 (<i>Loxostege</i>).
<i>coloradensis</i> Hulst, 3745 (<i>Symph-</i> <i>ta</i>).		<i>comosa</i> Morrison, 1662.
<i>coloradensis</i> Hy. Edwards, 44 (<i>Syn-</i> <i>chloe</i>).		<i>compensata</i> Walker, 3499.
<i>coloradensis</i> Hulst, 3290 (<i>Tephro-</i> <i>clystis</i>).		<i>complanoides</i> Frey & Boll, 6451.
Coloradia	74	<i>complicata</i> Walker, 883 (<i>Apantesis</i>).
<i>colorado</i> Smith, 1768 (<i>Agrotiphila</i>).		<i>complicata</i> Strecker, 1956 (<i>Helio-</i> <i>phila</i>).
<i>colorado</i> Scudder, 487 (<i>Erynnis</i>).		<i>complicata</i> Guenée, 4027 (<i>Sabu-</i> <i>lodes</i>).
<i>colorado</i> Smith, 1348 (<i>Oncocnemis</i>).		Composia
<i>coloradus</i> Smith, 711.		<i>composita</i> Hy. Edwards, 2275.
<i>coloraria</i> Fabricius, 3759.		<i>compressipalpis</i> Guenée, 2464.
<i>colorata</i> Walker, 895 (<i>Apantesis</i>).		<i>compressipennis</i> Smith, 1688.
<i>colorata</i> Grote, 3644 (<i>Sciagraphia</i>).		<i>compta</i> Clemens, 5481 (<i>Atteva</i>).
<i>columbella</i> Fabricius, 366.		<i>compta</i> Walker, 3148 (<i>Schizura</i>).
<i>columbia</i> Hy. Edwards, 106 (<i>Argyn-</i> <i>nis</i>).		<i>comptana</i> Frölich, 5252.
<i>columbia</i> Scudder, 487 (<i>Erynnis</i>).		<i>comptaria</i> Walker, 3331.
<i>columbia</i> Smith, 2023 (<i>Graphi-</i> <i>phora</i>).		<i>comptella</i> Ragonot, 4701.
<i>columbia</i> Smith, 741 (<i>Samia</i>).		<i>comptoniella</i> Hulst, 4694.
<i>columbiana</i> Hy. Edwards, 3083 (<i>Nycteola</i>).		<i>comptulatalis</i> Hulst, 4631.
<i>columbiana</i> Walsingham, 5187 (<i>Thiodia</i>).		<i>comstocki</i> Grote, 1286.
<i>columbina</i> Godart, 92.		<i>comstockiana</i> Fernald, 5000.
Comacla	80	<i>comus</i> Edwards, 532.
<i>comacornella</i> Hulst, 4684.		<i>comyntas</i> Godart, 442.
<i>comandranus</i> Fernald, 5326.		<i>cona</i> Strecker, 1637.
<i>comatulana</i> Zeller, 5098.		Conacontia
<i>combinata</i> Walker, 2920.		<i>conar</i> Strecker, 2008.
<i>comes</i> Walsingham, 5463.		<i>conchana</i> Hübner, 5060.
<i>cometana</i> Walsingham, 5264.		<i>conchellus</i> Treitschke, 4583.
<i>comis</i> Grote, 1832.		<i>conchiformis</i> Grote, 2538.
<i>comitana</i> Hübner, 5237.		<i>conchis</i> Grote, 1480.
<i>comma</i> Linnaeus, 487 (<i>Erynnis</i>).		Conchylis
<i>comma</i> Walker, 838 (<i>Haploa</i>).		Conchylodes
<i>comma</i> Harris, 206 (<i>Polygonia</i>).		<i>concinna</i> Warren, 4390 (<i>Autocos-</i> <i>mia</i>).
<i>commamotata</i> Haworth, 3379.		<i>concinna</i> Smith, 2367 (<i>Schinia</i>).
<i>commelinus</i> Smith & Abbot, 1299.		<i>concinna</i> Smith & Abbot, 3149 (<i>Schizura</i>).
<i>commixtalis</i> Walker, 4359.		<i>concinna</i> Hampson, 4297.
		<i>concinna</i> Clemens, 5017.
		<i>concinnumacula</i> Guenée, 2604.
		<i>concinisella</i> Chambers, 5700.
		<i>concinusella</i> Chambers, 5700.
		<i>conclisa</i> Walker, 3009.
		<i>conclisaria</i> Walker, 3954.
		<i>conclusella</i> Walker, 5768.
		<i>concolor</i> Zeller, 6433.

	Page.		Page.
<i>concolorella</i> Clemens, 6008 (Coleophora).		<i>confusella</i> Chambers, 5719 (Gielechia).	
<i>concolorella</i> Beutenmüller, 5845 (Cryptolechia).		<i>confusella</i> Dietz, 5938 (Pigritia).	
<i>concolorella</i> Chambers, 6079 (Elachista).		<i>confusellus</i> Dyar, 6592 (Anaphora).	
<i>concolorella</i> Chambers, 6135 (Eriphia).		<i>confusus</i> Hy. Edwards, 6608.	
<i>concordata</i> Walker, 3362.		<i>congeminatella</i> Zeller, 6476.	
<i>concupiens</i> Walker, 2830.		<i>congermana</i> Morrison, 1805.	
<i>concurvana</i> Walker, 5382.		<i>conglomeratella</i> Zeller, 6295.	
<i>condalix</i> Busck, 6139.		<i>congregata</i> Walker, 3409.	
<i>condaliafoliella</i> Busck, 6192.		<i>congrua</i> Walker, 854 (Estigmene).	
<i>condaliarorella</i> Busck, 5666.		<i>congrua</i> Walker, 3619 (Gueneria).	
<i>condensata</i> Walker, 3331.		<i>congrua</i> Smith, 1448 (Setagrotis).	
<i>condita</i> Guenée, 1419.		<i>congruata</i> Walker, 3571.	
<i>conditana</i> Walsingham, 5037.		<i>coniella</i> Ragonot, 4680.	
<i>conducta</i> Walker, 2559.		<i>coniferaria</i> Packard, 3587.	
Condylolomia 401		<i>coniferarum</i> Smith & Abbot, 726 (Lapara).	
Condylorrhiza 385		<i>coniferarum</i> Packard, 4065 (Thyridopteryx).	
<i>confectella</i> Zeller, 5966.		<i>coniferella</i> Hy. Edwards, 4071.	
<i>confederata</i> Grote, 4068 (Eurycytarus.)		<i>conigerana</i> Zeller, 5379.	
<i>confederata</i> Grote, 1118 (Perigea).		Coniodes 329	
<i>confertella</i> Walker, 5853.		<i>conjugata</i> Smith, 1918.	
<i>configurata</i> Hulst, 3851.		<i>conjugens</i> Walker, 1087.	
<i>confinaria</i> Walker, 3699.		<i>conjuncta</i> Hy. Edwards, 944 (Androloma).	
<i>confine</i> Herrich-Schaeffer, 785.		<i>conjuncta</i> Smith, 1671 (Paragrotis).	
<i>confinis</i> Walker, 840.		<i>conjunctana</i> Möschler, 5169.	
<i>confinisalis</i> Walker, 2624.		<i>connecta</i> Grote, 1007 (Apatela).	
<i>confirana</i> Walker, 5077.		<i>connecta</i> Smith, 1070 (Chytonix).	
<i>conflexana</i> Walker, 5252.		<i>connecta</i> Smith, 1262 (Polia).	
<i>conflictana</i> Walker, 5408.		<i>conneralis</i> Walker, 4299.	
<i>confluens</i> Morrison, 2040 (Crocigrapha).		<i>connexana</i> Walker, 5383.	
<i>confluens</i> Oberthur, 846 (Eupantheria).		<i>conradi</i> Grote, 2229.	
<i>confluens</i> Cockerell, 6569 (Prodoxus).		<i>consanguinana</i> Walsingham, 5032.	
<i>confovealis</i> Hulst, 4427.		<i>consecutaria</i> Walker, 3546.	
<i>confragosa</i> Morrison, 1261.		<i>consepia</i> Walker, 3678.	
<i>confusa</i> Worthington, 2865 (Cato-cala).		<i>consequaria</i> Hy. Edwards, 3598.	
<i>confusa</i> Lyman, 841 (Haploa).		<i>conserta</i> Grote, 2075.	
<i>confusa</i> Hübner, 1890 (Morrisonia).		Conservula 178	
<i>confusa</i> Smith, 1410 (Rhynchagrotis).		<i>consimilata</i> Zeller, 3678.	
<i>confusa</i> Walker, 3148 (Schizura).		<i>consimilella</i> Frey & Boll, 6380 (Gracilaria).	
<i>confusalis</i> Hulst, 4305 (Asciodes).		<i>consimilella</i> Frey & Boll, 6316 (Lithocolletes).	
<i>confusalis</i> Walker, 4500 (Elophila).		<i>consimilis</i> Warren, 4335 (Everges-tis).	
<i>confusana</i> Robinson, 5431.		<i>consimilis</i> Hy. Edwards, 4207 (Se-sia).	
<i>confusaria</i> Hübner, 4007.		<i>consista</i> Walker, 839.	
<i>confusella</i> Walker, 5915 (Ethmia).		<i>consobrina</i> Guenée, 2926.	
		<i>consobrinella</i> Zeller, 4723.	
		<i>consonaria</i> Haworth, 3862.	

	Page	Page
<i>conannella</i> Zeller, 5702.		<i>continuata</i> Walker, 3862.
<i>concapita</i> Grote, 2013.		<i>continua</i> Zeller, 5721.
<i>concolor</i> Smith & Abbot, 2874 (Catocala).		<i>contortalis</i> Guenée, 4483.
<i>concolor</i> Smith, 1132 (Perigea).		<i>contracta</i> Walker, 3110 (Datana).
<i>conspicua</i> Hy. Edwards, 3151.		<i>contracta</i> Walker, 2734 (Homopyralis).
<i>conspersa</i> Riley, 1295.		<i>contracta</i> Packard, 3395 (Hydriomena).
<i>conspicua</i> Worthington, 2865 (Catocala).		<i>contracta</i> Walker, 2361 (Ipimorpha).
<i>conspicua</i> Smith, 2757 (Drasteria).		<i>contradicta</i> Smith, 1216.
<i>conspicua</i> Morrison, 1212 (Hadena).		<i>contrahens</i> Walker, 2006.
<i>conspicua</i> Edwards, 556 (Limachroes).		<i>contraria</i> Walker, 1278 (Hyppa).
<i>conspicua</i> Neumoegen, 917 (Pygaretia).		<i>contraria</i> Walker, 1807 (Mamestra).
<i>conspicua</i> Dyar, 4056 (Rarselia).		<i>contrarianus</i> Walker, 5031.
<i>constans</i> Hulst, 2902 (Catocala).		<i>contariella</i> Walker, 5844.
<i>constans</i> Hulst, 3917 (Eugonobapta).		<i>contribuaria</i> Walker, 3858.
<i>constans</i> Hy. Edwards, 4122 (Triproctris).		<i>contubernatellus</i> Fitch, 5678.
<i>constantella</i> Hulst, 4773.		<i>convalescens</i> Guenée, 2758.
<i>constellatana</i> Zeller, 5057.		<i>convallaria</i> Guenée, 3460.
<i>constipata</i> Walker, 1843.		<i>convectalis</i> Walker, 4282.
<i>constricta</i> Walker, 1942 (Anarta).		<i>convergaria</i> Walker, 3855.
<i>constricta</i> Stretch, 3219 (Malacosoma).		<i>conversana</i> Walsingham, 5272.
<i>constricta</i> Hy. Edwards, 2363 (Schinia).		<i>convexipennis</i> Grote, 2122.
<i>constrictana</i> Zeller, 5125.		<i>convexa</i> Harvey, 1104.
<i>constrictella</i> Zeller, 5930 (Ecophora).		<i>convolutella</i> Fabricius, 6337.
<i>constrictella</i> Zeller, 6130 (Theison).		<i>convoluti</i> Linnaeus, 699.
<i>constructina</i> Neumoegen & Dyar, 3215.		<i>convoyi</i> Fernald, 4949.
<i>consuela</i> Strecker, 2449.		<i>convoyi</i> Behr, 147 (Lemonias).
<i>consularis</i> Dyar, 769.		<i>cooperi</i> Behr, 47 (Synchloe).
<i>contacta</i> Walker, 1260.		<i>coartaria</i> Hulst, 3705.
<i>contadina</i> Smith, 1273.		Copablepharon
<i>contagionis</i> Smith, 1617.		Copmodes
<i>contatella</i> Grote, 4759.		Copanarta
<i>contempta</i> Boisduval, 2933.		Copibryophila
<i>contemptata</i> Guenée, 3647.		Copiscuculla
<i>contenta</i> Walker, 1221 (Hadena).		Copidryas
<i>contenta</i> Walker, 1232 (Hadena).		Copipanolis
<i>contenta</i> Grote, 2080 (Xylina).		Coptodisca
<i>contenta</i> Grote, 2478.		Coptotriche
<i>contigua</i> Walker, 964 (Charadra).		<i>copulitella</i> Busck, 5623.
<i>contigua</i> Walker, 842 (Haploa).		<i>copulitella</i> Smith, 2680.
<i>continens</i> Hy. Edwards, 1127.		<i>cora</i> Hübner, 1063.
<i>contingens</i> Walker, 4026.		<i>coracens</i> Guenée, 2984.
<i>continua</i> Hy. Edwards, 3087.		<i>coracina</i> Clemens, 4127.
<i>continuaria</i> Walker, 3487.		<i>corbus</i> Godman & Salvin, 24.
		<i>corculana</i> Zeller, 5166.
		<i>cordata</i> Hy. Edwards, 2895.
		<i>cordigera</i> Thunberg, 1930.
		Cordylopeza
		Coremia
		<i>corena</i> Godart, 232.
		Coriscium

	Page.		Page.
<i>cornelia</i> Edwards, 104 (<i>Argynnis</i>).		<i>costarumaculalis</i> Snellen, 4478.	
<i>cornelia</i> Neumoegen & Dyar, 4157		<i>costalis</i> Fabricius, 4513 (<i>Hypopygia</i>).	
(<i>Hypopta</i>).		<i>costalis</i> Doubleday & Hewitson, 625	
<i>cornelius</i> Godart, 296.		(<i>Thanaos</i>).	
<i>cornella</i> Walsingham, 6009.		<i>costarumfoella</i> Chambers, 5658.	
<i>corni</i> Hy. Edwards, 4222.		<i>costata</i> Strecker, 831 (<i>Eubaphe</i>).	
<i>corniella</i> Ragonot, 4680.		<i>costata</i> Grote, 1411 (<i>Rhynchagrotis</i>).	
<i>cornifolia</i> Riley, 5257.		<i>costiferalis</i> Walker, 4514.1.	
<i>cornifoliella</i> Clemens, 6121.		<i>costiguttata</i> Hulst, 3405.	
Cornifrons	394	<i>costimaculalis</i> Fernald, 4460.	
<i>cornix</i> Guenée, 2985.		<i>costimaculana</i> Fernald, 5046.	
<i>cornuta</i> Grote, 1441.		<i>costinotata</i> Walker, 3426.	
<i>corollaria</i> Perry, 753.		<i>costipunctella</i> Möschler, 5729.	
<i>coronaria</i> Strecker, 4045.		<i>costolutella</i> Chambers, 5664.	
<i>coronatella</i> Clemens, 6238.		<i>costomaculana</i> Clemens, 5217.	
<i>coronides</i> Druce, 2440.		<i>costorata</i> Haworth, 3463.	
<i>coroniella</i> Clemens, 6351.		<i>costorumfoella</i> Chambers, 5658.	
<i>coronis</i> Behr, 115.		<i>costosignella</i> Clemens, 6498.	
<i>corosana</i> Walsingham, 5152.		<i>costostrigella</i> Chambers, 6499.	
<i>correllatum</i> Hulst, 3853.		Cosymbia	291
<i>corrusca</i> Strecker, 2524.		<i>cottalis</i> Walker, 4279.	
<i>corruscifasciella</i> Chambers, 6558.		<i>couperii</i> Grote, 419.	
<i>corruscipennella</i> Clemens, 6010.		<i>coyote</i> Skinner, 593.	
<i>corticea</i> Walker, 3148.		<i>crabroniformis</i> Denis & Schiffermüller, 4188.	
<i>cortico</i> Guenée, 1057.		Crambidia	79
<i>corusca</i> Smith, 1349 (<i>Oncocnemis</i>).		Crambidinae	403
<i>corusca</i> Hy. Edwards, 4227 (<i>Sesia</i>).		<i>crambidoides</i> Grote, 4624.	
<i>coruscana</i> Clemens, 5056.		<i>crambis</i> Freyer, 295.	
<i>corvina</i> Boisduval, 797.		<i>crambitana</i> Walsingham, 5085.	
<i>corylana</i> Hübner, 5245 (<i>Ancylis</i>).		<i>crambitella</i> Walsingham, 5837.	
<i>corylanum</i> Fernald, 5022 (<i>Exartema</i>).		Crambodes	108
<i>coryliella</i> Chambers, 6308 (<i>Lithocolletes</i>).		Crambus	404
<i>coryliella</i> Chambers, 5650 (<i>Menesta</i>).		<i>crameri</i> Schaus, 691 (<i>Dilophonota</i>).	
<i>corylifoliella</i> Clemens, 6011 (<i>Coleophora</i>).		<i>crameri</i> Ménétries, 675 (<i>Pachylia</i>).	
<i>corylifoliella</i> Clemens, 6193 (<i>Nephticula</i>).		<i>crantor</i> Cramer, 679.	
<i>corylisella</i> Chambers, 6308.		Craspedia	294
Coryphista	276	<i>crassata</i> Hulst, 3727 (<i>Cymatophora</i>).	
Corythea	285	<i>crassatus</i> Haworth, 3079 (<i>Plathypena</i>).	
<i>coscinia</i> Herrich-Schaeffer, 549.1.		<i>crassifasciella</i> Ragonot, 4739.	
Cosmia	179	<i>crassinervella</i> Zeller, 5480.	
<i>cosmodactyla</i> Hübner, 4937.		<i>crassipes</i> Smith, 1387.	
Cosmoites	535	<i>crassis</i> Herrich-Schaeffer, 1145.	
Cosmopteryx	534	<i>crassiuscula</i> Haworth, 2755.	
Cosmorhoe	278	<i>cratagella</i> Clemens, 6270 (<i>Lithocolletes</i>).	
Cosmosoma	76	<i>cratagella</i> Busck, 5600 (<i>Recurvaria</i>).	
Cossidæ	362	<i>cratagi</i> Saunders, 2892 (<i>Catocala</i>).	
Cossula	363		
Cossus	362		

	Page.		
<i>cratagi</i> Boisduval & Le Conte, 385 (<i>Feniseca</i>).		<i>cristata</i> Morrison, 2917 (<i>Homopho-</i> <i>beria</i>).	
<i>cratagifoliella</i> Clemens, 6194 (<i>Nepti-</i> <i>cula</i>).		<i>cristatella</i> Chambers, 6080 (<i>Fla-</i> <i>chista</i>).	
<i>cratagifoliella</i> Clemens, 6388 (<i>Or-</i> <i>nix</i>).		<i>cristatella</i> Chambers, 5604 (<i>Recur-</i> <i>varia</i>).	
<i>cratipennella</i> Clemens, 6012.		<i>cristatella</i> Chambers, 6548 (<i>Semele</i>).	
<i>crenana</i> Duponchel, 5260.		<i>cristatrix</i> Guenée, 2549.	
<i>crenilinea</i> Smith, 2356.		<i>cristifasciella</i> Chambers, 5615.	
<i>crenulata</i> Butler, 1996 (<i>Orthodes</i>).		<i>cristifera</i> Walker, 1808 (<i>Mamestra</i>).	
<i>crenulata</i> Smith, 1409 (<i>Rhynchagro-</i> <i>tis</i>).		<i>cristifera</i> Hulst, 3869 (<i>Phæoura</i>).	
<i>creola</i> Skinner, 287.		<i>crocale</i> Edwards, 201.	
<i>creonalis</i> Walker, 4282.		<i>crocallata</i> Guenée, 4011.	
<i>crepera</i> Grote, 4147.		<i>crocutaria</i> Fabricius, 3925.	
<i>crepuscularia</i> Schiffermüller, 3862.		<i>crocea</i> Hy. Edwards, 1307.	
<i>crescens</i> Walker, 953.		<i>crocearia</i> Hulst, 3696 (<i>Cymato-</i> <i>phora</i>).	
<i>crescentella</i> Walsingham, 5475.1.		<i>crocearia</i> Packard, 3902 (<i>Sicya</i>).	
<i>crescentifasciella</i> Chambers, 5703.		<i>croceella</i> Hulst, 4738.	
<i>cresphontes</i> Cramer, 14.		<i>croceoverticella</i> Chambers, 6500.	
<i>cresphontinus</i> Martyn, 15.		<i>croci capitella</i> Clemens, 6488.	
<i>cressonana</i> Grote, 794.		Crocidophora	
<i>cressonella</i> Chambers, 5851		Crocigrapha	
<i>cressoni</i> Walsingham, 6579 (<i>Eule-</i> <i>piste</i>).		<i>crocotalis</i> Grote, 4440.	
Cressonia	71	<i>crassus</i> Dalman, 666.	
<i>cressoniana</i> Clemens, 5212.		<i>crossii</i> Hulst, 3540.	
<i>cressonii</i> Grote, 2920 (<i>Panapoda</i>).		<i>crotalariella</i> Busck, 5695.	
<i>cretacea</i> Zeller, 5846.		<i>crotchii</i> Hy. Edwards, 954 (<i>Estig-</i> <i>mene</i>).	
<i>cretacealis</i> Lederer, 4491.		<i>crotchii</i> Grote, 1786 (<i>Mamestra</i>).	
<i>cretaceata</i> Packard, 3334.		<i>crotchii</i> Hy. Edwards, 2331 (<i>Tri-</i> <i>chosellus</i>).	
<i>cretata</i> Smith, 981 (<i>Apatela</i>).		<i>crucialis</i> Harvey, 1892.	
<i>cretata</i> Grote, 4108 (<i>Carama</i>).		<i>cruciana</i> Zetterstedt, 5228.	
<i>cretata</i> Grote & Robinson, 2682 (<i>Tarache</i>).		<i>cruciata</i> Grote, 3662.	
<i>cretata</i> Hulst, 3292 (<i>Tephroclystis</i>).		<i>cruciferarum</i> Zeller, 5503 (<i>Plutella</i>).	
<i>cretaticostella</i> Clemens, 6013.		<i>cruciferarum</i> Boisduval, 38 (<i>Pontia</i>).	
<i>cretidactylus</i> Fitch, 4982 (<i>Ptero-</i> <i>phorus</i>).		<i>crudelis</i> Grote, 2974.	
<i>cretidactylus</i> Zeller, 4983 (<i>Ptero-</i> <i>phorus</i>).		<i>cruentaria</i> Hübner, 3759.	
<i>creusa</i> Doubleday & Hewitson, 42.		<i>cruentus</i> Scudder, 574.	
<i>cribrataria</i> Guenée, 3847.		<i>cruralis</i> Guenée, 3021.	
Crimona	128	<i>crustaria</i> Morrison, 2316.	
<i>crinella</i> Treitschke, 6487.		<i>crypta</i> Dyar, 4106.	
<i>crinisalis</i> Walker, 4354.		Cryptolechia	
<i>crinitalis</i> Lederer, 4354.		<i>cryptolechiella</i> Chambers, 5851.	
Crinodes	258	<i>crysalus</i> Edwards, 328.	
<i>crispa</i> Harvey, 2219.		Ctnucha	
<i>crispana</i> Clemens, 5227.		<i>cubanal</i> Guenée, 4292.	
<i>crispata</i> Packard, 4110.		<i>cubensis</i> Grote, 937 (<i>Calidota</i>).	
<i>cristata</i> Grote, 1245 (<i>Hadena</i>).		<i>cubensis</i> Grote & Robinson, 695 (<i>Diludia</i>).	
		<i>cubilis</i> Grote, 1372.	

Page.		Page.
	<i>cucomelana</i> Smith, 960.	<i>curviferalis</i> Walker, 4492.
	<i>cucularia</i> Guenée, 3478.	<i>curvilinea</i> Hulst, 3403.
	<i>cuculifera</i> Herrich-Schaeffer, 3127.	<i>curvilineatella</i> Packard, 6246.
	<i>cuculipennellum</i> Hübner, 6401.	<i>curvilineella</i> Chambers, 6095 (Coleophora).
172	Cucullia	<i>curvilineella</i> Beutenmüller, 5874 (Depressaria).
	<i>cuculliformis</i> Grote, 1240.	<i>currimacula</i> Morrison, 2121.
	<i>culea</i> Guenée, 2012.	<i>curvistrigella</i> Chambers, 5554.
	<i>culicaria</i> Guenée, 3478.	<i>cuspidana</i> Stephens, 5260.
	<i>culiciformis</i> Linnaeus, 4219.	Cuspidea 99
	<i>culiculalis</i> Hulst, 4529.	<i>cuspidata</i> Hübner, 2760.
	<i>culminana</i> Walsingham, 5117.	<i>custodiata</i> Guenée, 3406.
	<i>culta</i> Lintner, 2487.	<i>cyanana</i> Murtfeldt, 5039.
	<i>cumatilis</i> Grote & Robinson, 3419 (Cænocalpe).	Cyane 573
	<i>cumatilis</i> Grote, 2328 (Schinia).	Cyaniris 45
	<i>cunea</i> Drury, 855.	Cyathisa 107
	<i>cuneana</i> Walsingham, 5430.	Cybalomia 386
	<i>cuneata</i> Goeze, 894 (Apantes).	<i>cybele</i> Fabricius, 99.
	<i>cuneata</i> Grote, 1839 (Mamestra).	<i>cycladata</i> Grote, 3613.
	<i>cuneolalis</i> Hulst, 4552.1.	<i>cyclades</i> Druce, 4328.
	<i>cuniferata</i> Walker, 3356.	<i>cyclata</i> Walker, 3699.
	<i>cunninghami</i> Owen, 128.	<i>cyclella</i> Busck, 5707.
	<i>cupentina</i> Cramer, 1118.	Cyclica 276
	<i>cupes</i> Grote, 2321.	<i>cyclica</i> Hy. Edwards, 910.
	<i>cupida</i> Grote, 1393.	<i>cycloides</i> Guenée, 1103.
	<i>cupidaria</i> Grote, 3874.	Cyclophora 291
	<i>cupidenaria</i> Grote, 3571.	Cycloplasis 540
	<i>cupidinella</i> Hulst, 4919.	Cydia 471
	<i>cupidissima</i> Grote, 1399.	Cydusia 216
42	Cupido	<i>cygnus</i> Edwards, 340.
	<i>cuprealis</i> Hübner, 4511.	<i>cylindrica</i> Grote, 1207.
	<i>cupressella</i> Walsingham, 6461.	Cymatophora 311
	<i>cupressi</i> Hy. Edwards, 4178 (Memythrus).	<i>cymatophoroides</i> Guenée, 3170.
	<i>cupressi</i> Boisduval, 718 (Sphinx).	Cymasonita 288
	<i>cupreus</i> Edwards, 400.	<i>cymela</i> Cramer, 299.
	<i>cuprina</i> Zeller, 4514.	<i>cymosa</i> Grote, 1237.
	<i>curcurbitæ</i> Harris, 4162.	<i>cyna</i> Edwards, 446.
	<i>curialis</i> Smith, 1882 (Barathra).	<i>cyneas</i> Godman & Salvin, 178.1.
	<i>curialis</i> Grote, 1893 (Xylomiges).	<i>cynica</i> Smith, 1511 (Noctua).
	<i>curiosum</i> Neumoegen, 2454.	<i>cynica</i> Guenée, 1997 (Orthodes).
	<i>currucipennella</i> Zeller, 6014.	<i>cynoglossum</i> Hy. Edwards, 653.
	<i>curta</i> Morrison, 1936.	<i>cynthia</i> Drury, 736.
	<i>curtalis</i> Walker, 4303.	<i>cypridalis</i> Hulst, 4561.
	<i>curtica</i> Smith, 2017.	<i>cypris</i> Edwards, 100.
	<i>curvata</i> Grote, 3060 (Capis).	<i>cyralis</i> Druce, 4348.
	<i>curvata</i> French, 2817 (Catocala).	<i>cyrilella</i> Costa, 4618.
	<i>curvata</i> Grote, 1155 (Hadena).	<i>cyrilli</i> Zeller, 4618.
	<i>curvata</i> Grote, 3662 (Sciagraphia).	Cysteophora 273
	<i>curvatella</i> Ragonot, 4735.	Cysteopteryx 265
	<i>curvicollis</i> Grote, 1347.	<i>cythera</i> Edwards, 315.
	<i>curvifascia</i> Smith, 2071 (Cleoceris).	<i>dacotah</i> Edwards, 494.
	<i>curvifascia</i> Skinner, 22 (Papilio).	<i>dactylina</i> Grote, 975.

	Page.		
<i>cratargi</i> Boisduval & Le Conte, 385 (Feniseca).		<i>cristata</i> Morrison, 2917 (Homopho- beria).	
<i>cratagifoliella</i> Clemens, 6194 (Nepti- cula).		<i>cristatella</i> Chambers, 6080 (Ela- chista).	
<i>cratargifoliella</i> Clemens, 6388 (Or- nix).		<i>cristatella</i> Chambers, 5604 (Recur- varia).	
<i>cratipennella</i> Clemens, 6012.		<i>cristatella</i> Chambers, 6548 (Semele).	
<i>crenana</i> Duponchel, 5260.		<i>cristatrix</i> Guenée, 2549.	
<i>crenilinea</i> Smith, 2356.		<i>cristifasciella</i> Chambers, 5615.	
<i>crenulata</i> Butler, 1996 (Orthodes).		<i>cristifera</i> Walker, 1808 (Mamestra).	
<i>crenulata</i> Smith, 1409 (Rhynchagro- tis).		<i>cristifera</i> Hulst, 3869 (Phæoura).	
<i>creola</i> Skinner, 287.		<i>crocale</i> Edwards, 201.	
<i>creonalis</i> Walker, 4282.		<i>crocallata</i> Guenée, 4011.	
<i>crepera</i> Grote, 4147.		<i>crocataria</i> Fabricius, 3925.	
<i>crepuscularia</i> Schiffermüller, 3862.		<i>crocea</i> Hy. Edwards, 1307.	
<i>crescens</i> Walker, 953.		<i>crocearia</i> Hulst, 3696 (Cymato- phora).	
<i>crescentella</i> Walsingham, 5475.1.		<i>crocearia</i> Packard, 3902 (Sicya).	
<i>crescentifasciella</i> Chambers, 5703.		<i>croceella</i> Hulst, 4738.	
<i>creosphontes</i> Cramer, 14.		<i>croceoverticella</i> Chambers, 6500.	
<i>creosphontinus</i> Martyn, 15.		<i>crociapitella</i> Clemens, 6488.	
<i>cressonana</i> Grote, 794.		Crocidophora	
<i>cressonella</i> Chambers, 5851.		Crocigrapha	
<i>cressonii</i> Walsingham, 6579 (Eule- piste).		<i>crocolalis</i> Grote, 4440.	
Cressonia	71	<i>crasus</i> Dalman, 666.	
<i>cressoniana</i> Clemens, 5212.		<i>crossii</i> Hulst, 3540.	
<i>cressonii</i> Grote, 2920 (Panapoda).		<i>crotalariella</i> Busck, 5695.	
<i>cretacea</i> Zeller, 5846.		<i>crotchii</i> Hy. Edwards, 954 (Festig- mene).	
<i>cretacealis</i> Lederer, 4491.		<i>crotchii</i> Grote, 1786 (Mamestra).	
<i>cretaceata</i> Packard, 3334.		<i>crotchii</i> Hy. Edwards, 2331 (Tri- chosellus).	
<i>cretata</i> Smith, 981 (Apatela).		<i>crucialis</i> Harvey, 1892.	
<i>cretata</i> Grote, 4108 (Carama).		<i>cruciana</i> Zetterstedt, 5228.	
<i>cretata</i> Grote & Robinson, 2682 (Tarache).		<i>cruciata</i> Grote, 3662.	
<i>cretata</i> Hulst, 3292 (Tephroclystis).		<i>cruciferarum</i> Zeller, 5503 (Plutella).	
<i>cretaticostella</i> Clemens, 6013.		<i>cruciferarum</i> Boisduval, 38 (Pontia).	
<i>cretidactylus</i> Fitch, 4982 (Ptero- phorus).		<i>crudelis</i> Grote, 2974.	
<i>cretidactylus</i> Zeller, 4983 (Ptero- phorus).		<i>cruentaria</i> Hübner, 3759.	
<i>creusa</i> Doubleday & Hewitson, 42.		<i>cruentus</i> Scudder, 574.	
<i>cribrataria</i> Guenée, 3847.		<i>cruralis</i> Guenée, 3021.	
Crimona	128	<i>crustaria</i> Morrison, 2316.	
<i>crinella</i> Treitschke, 6487.		<i>crypta</i> Dyar, 4106.	
<i>crinisalis</i> Walker, 4354.		Cryptolechia	
<i>crinitalis</i> Lederer, 4354.		<i>cryptolechiella</i> Chambers, 5851.	
Crinodes	258	<i>crysalis</i> Edwards, 328.	
<i>crispa</i> Harvey, 2219.		Ctnucha	
<i>crispata</i> Clemens, 5227.		<i>cubanalis</i> Guenée, 4292.	
<i>crispata</i> Packard, 4110.		<i>cubensis</i> Grote, 937 (Calidota).	
<i>cristata</i> Grote, 1245 (Hadena).		<i>cubensis</i> Grote & Robinson, 695 (Diludia).	
		<i>cubilis</i> Grote, 1372.	

	Page.		Page.
<i>cucomelana</i> Smith, 960.		<i>curviferalis</i> Walker, 4492.	
<i>cucularia</i> Guenée, 3478.		<i>curvilinea</i> Hulst, 3403.	
<i>cuculifera</i> Herrich-Schaeffer, 3127.		<i>curvilineatella</i> Packard, 6246.	
<i>cuculipennellum</i> Hübner, 6401.		<i>curvilineella</i> Chambers, 6095 (Cole-	
Cucullia	172	ophora).	
<i>cuculliformis</i> Grote, 1240.		<i>curvilineella</i> Beutenmüller, 5874	
<i>culca</i> Guenée, 2012.		(Depressaria).	
<i>culicaria</i> Guenée, 3478.		<i>curvimacula</i> Morrison, 2121.	
<i>culiciformis</i> Linnæus, 4219.		<i>curvistrigella</i> Chambers, 5554.	
<i>culiculalis</i> Hulst, 4529.		<i>cuspidana</i> Stephens, 5260.	
<i>culminana</i> Walsingham, 5117.		Cuspidea	99
<i>culta</i> Lintner, 2487.		<i>cuspidea</i> Hübner, 2760.	
<i>cumatilis</i> Grote & Robinson, 3419		<i>custodiata</i> Guenée, 3406.	
(Cænocalpe).		<i>cyanana</i> Murtfeldt, 5039.	
<i>cumatilis</i> Grote, 2328 (Schinia).		Cyane	573
<i>cunea</i> Drury, 855.		Cyaniris	45
<i>cuneana</i> Walsingham, 5430.		Cyathisa	107
<i>cuneata</i> Goeze, 894 (Apantes).		Cybalomia	386
<i>cuneata</i> Grote, 1839 (Mamestra).		<i>cybele</i> Fabricius, 99.	
<i>cuneolalis</i> Hulst, 4552.1.		<i>cycladata</i> Grote, 3613.	
<i>cuniferata</i> Walker, 3356.		<i>cyclades</i> Druce, 4328.	
<i>cunninghami</i> Owen, 128.		<i>cyclata</i> Walker, 3699.	
<i>cupentina</i> Cramer, 1118.		<i>cyclella</i> Busck, 5707.	
<i>cupes</i> Grote, 2321.		Cyclica	276
<i>cupida</i> Grote, 1393.		<i>cyclica</i> Hy. Edwards, 910.	
<i>cupidaria</i> Grote, 3874.		<i>cycloides</i> Guenée, 1103.	
<i>cupidenaria</i> Grote, 3571.		Cyclophora	291
<i>cupidinella</i> Hulst, 4919.		Cycloplasis	540
<i>cupidissima</i> Grote, 1399.		Cydia	471
Cupido	42	Cydosia	216
<i>cuprealis</i> Hübner, 4511.		<i>cygnus</i> Edwards, 340.	
<i>cupressella</i> Walsingham, 6461.		<i>cylindrica</i> Grote, 1207.	
<i>cupressi</i> Hy. Edwards, 4178 (Me-		Cymatophora	311
mythrus).		<i>cymatophoroides</i> Guenée, 3170.	
<i>cupressi</i> Boisduval, 718 (Sphinx).		Cymazonita	288
<i>cupreus</i> Edwards, 400.		<i>cymela</i> Cramer, 299.	
<i>cuprina</i> Zeller, 4514.		<i>cymosa</i> Grote, 1237.	
<i>curcubitæ</i> Harris, 4162.		<i>cyna</i> Edwards, 446.	
<i>curialis</i> Smith, 1882 (Barathra).		<i>cyneus</i> Godman & Salvin, 178.1.	
<i>curialis</i> Grote, 1893 (Xylomiges).		<i>cynica</i> Smith, 1511 (Noctua).	
<i>curiosum</i> Neumoegen, 2454.		<i>cynica</i> Guenée, 1997 (Orthodes).	
<i>currucipennella</i> Zeller, 6014.		<i>cynoglossum</i> Hy. Edwards, 653.	
<i>curta</i> Morrison, 1936.		<i>cynthia</i> Drury, 736.	
<i>curtalis</i> Walker, 4303.		<i>cypridalis</i> Hulst, 4561.	
<i>curtica</i> Smith, 2017.		<i>cypris</i> Edwards, 100.	
<i>curvata</i> Grote, 3060 (Capis).		<i>cyralis</i> Druce, 4348.	
<i>curvata</i> French, 2817 (Catocala).		<i>cyrilella</i> Costa, 4618.	
<i>curvata</i> Grote, 1155 (Hadena).		<i>cyrilli</i> Zeller, 4618.	
<i>curvata</i> Grote, 3662 (Sciagraphia).		Cysteophora	273
<i>curvatella</i> Ragonot, 4735.		Cysteopteryx	265
<i>curricollis</i> Grote, 1347.		<i>cythera</i> Edwards, 315.	
<i>currifascia</i> Smith, 2071 (Cleoceris).		<i>dacotah</i> Edwards, 494.	
<i>currifascia</i> Skinner, 22 (Papilio).		<i>dactylina</i> Grote, 975.	

	Page.		Page.
<i>dardalus</i> Behr, 408 (Cupido).		<i>davidsoni</i> Hy. Edwards, 4064.	
<i>dardalus</i> Smith, 1561 (Porosagrotis).		<i>davisellus</i> Beutenmüller, 6601.	
Dahana	79	<i>davisii</i> Hy. Edwards, 921.	
<i>dahlbomianna</i> Zetterstedt, 5167.		<i>dayi</i> Grote, 1325.	
<i>dakota</i> Smith, 1642.		<i>dealbana</i> Frölich, 5220 (Epinotia).	
Dakrura	429	<i>dealbana</i> Walker, 5069 (Olethreutes).	
Dalceridæ	359	<i>debilis</i> Walker, 2691.	
Dalcerides	359	<i>decemmaculella</i> Chambers, 5793.	
<i>dallasiana</i> Frey & Boll, 6195.		<i>decempunctana</i> Walsingham, 5185.	
<i>dama</i> Guenée, 2707.		<i>decepta</i> Grote, 1442 (Metalepsis).	
<i>damalis</i> Grote, 1379.		<i>decepta</i> Grote, 2210 (Pseudoglaea).	
<i>damaris</i> Felder, 81 (Pyrisita).		<i>decepta</i> Strecker, 2805 (Syneda).	
<i>damaris</i> Skinner, 82 (Pyrisita).		<i>decepta</i> Grote, 1944 (Trichoclea).	
<i>damastus</i> Godart, 362.		<i>deceptalis</i> Walker, 3073.	
<i>damnosalis</i> Walker, 3069.		<i>deceptata</i> Hulst, 3728.	
<i>damon</i> Cramer, 362.		<i>deceptiva</i> Beutenmüller, 4200.	
<i>danæ</i> Cramer, 253.		<i>deceptricalis</i> Zeller, 3027.	
<i>danbyi</i> Neumoegen, 864 (Diacrisia).		<i>deceptusella</i> Chambers, 6270.	
<i>danbyi</i> Neumoegen, 3168 (Gluphisia).		<i>decernens</i> Walker, 1550.	
<i>danbyi</i> Hulst, 3878 (Jubarella).		<i>decia</i> Grote, 2592 (Annaphila).	
<i>danbyi</i> Hulst, 3239 (Paraptera).		<i>decia</i> Boisduval, 848 (Leptarctia).	
<i>danistica</i> Grote, 2597.		<i>decimerella</i> Hulst, 4730.	
Dannemora	440	<i>decipiens</i> Walker, 3214 (Malacosoma).	
<i>daona</i> Druce, 4088.		<i>decipiens</i> Grote, 2220 (Orthosia).	
<i>dapalis</i> Grote, 4393.		<i>decipiens</i> Riley, 6564 (Prodoxus).	
<i>daphnis</i> Cramer, 99 (Argynnis).		<i>decipiens</i> Grote, 1751 (Richia).	
<i>daphnis</i> Martyn, 100 (Argynnis).		<i>decipiens</i> Hy. Edwards, 4228 (Sesia).	
<i>daphnis</i> Gray, 15 (Papilio).		<i>decipiens</i> Kirby, 4141 (Zeuzera).	
<i>dapsilis</i> Grote, 1458.		<i>decisana</i> Walker, 5021.	
<i>dara</i> Kollar, 471.		<i>decisaria</i> Walker, 3956.	
Dargida	157	<i>deciusalis</i> Walker, 4280.	
<i>dargo</i> Strecker, 1583.		<i>declarans</i> Walker, 3004.	
<i>daria</i> Druce, 2639 (Eumestleta).		<i>declarata</i> Walker, 1707.	
<i>daria</i> Godart, 87 (Eurema).		<i>declinata</i> Grote, 2542.	
Daritis	248	<i>decliva</i> Grote, 2255.	
<i>dasconalis</i> Walker, 4345.		<i>decolor</i> Mabille, 574 (Erycides).	
Dasycera	526	<i>decolor</i> Morrison, 1707 (Paragrotis).	
Dasyfidonia	304	<i>decoloraria</i> Esper, 3456 (Petrophora).	
Dasylophia	253	<i>decoloraria</i> Hulst, 3991 (Priocycla).	
Dasypyga	421	<i>decolorata</i> Hy. Edwards, 699.	
Dasypoudæa	191	<i>decora</i> Morrison, 966 (Charadra).	
Datana	250	<i>decora</i> Zeller, 4634 (Dicymolomia).	
<i>dataria</i> Grote, 3844 (Cleora).		<i>decoralis</i> Walker, 4777 (Elasmopalpus).	
<i>dataria</i> Hulst, 3483 (Cosymbia).		<i>decoralis</i> Hübner, 2725 (Pangrapta).	
<i>datialis</i> Druce, 4302.		<i>decorana</i> Zetterstedt, 5537 (Orchemia).	
<i>daucella</i> Treitschke, 5887.		<i>decorana</i> Haworth, 5169 (Thiodia).	
<i>daucus</i> Cramer, 671.		<i>decorata</i> Saunders, 895 (Apanteles).	
<i>daunia</i> Edwards, 421.			
<i>daunus</i> Herbst, 92 (Euptoietia).			
<i>daunus</i> Boisduval, 8 (Papilio).			
<i>dauria</i> Strecker, 295.			
<i>darena</i> Smith, 1832.			

	Page		Page
<i>decorata</i> Worthington, 2865 (Cala-		<i>deletella</i> Zeller, 6463.	
cala).		<i>delia</i> Cramer, 87.	
<i>decorata</i> Hulst, 3715 (Cymato-		<i>delicata</i> Hulst, 3527 (Eois).	
phora).		<i>delicata</i> Grote, 1289 (Trachea).	
<i>decorata</i> Smith, 3081 (Hypena).		<i>delicatella</i> Walsingham, 6063.	
<i>decorella</i> Stephens, 6155 (Mompha).		<i>delicatum</i> Hulst, 3831 (Selidosema).	
<i>decorella</i> Hulst, 4636.5 (Paralipsa).		<i>delila</i> Fabricius, 90.	
<i>decorellus</i> Zincken, 4590 (Crambus).		<i>delilah</i> Strecker, 2876.	
<i>decorellus</i> Hulst, 4777 (Elasmopal-		<i>delimitata</i> Warren, 3363.	
pus).		<i>delincenta</i> Guenée, 2544.	
<i>decrepitaria</i> Herrich-Schaeffer, 3449.		<i>delinquens</i> Walker, 2927.	
<i>decrepitata</i> Zetterstedt, 3449.		<i>delliella</i> Fernald, 5935.	
<i>decuriella</i> Hubner, 4711.		<i>delphinii</i> Boisduval, 4077.	
<i>deducta</i> Morrison, 2777.		<i>delphusa</i> Druce, 4509.	
<i>deductaria</i> Walker, 3754 (Apæca-		<i>deludana</i> Clemens, 5213.	
sia).		Demas 98	
<i>deductaria</i> Walker, 3965 (Euchla-		<i>demissa</i> Walker, 1810.	
na).		<i>demissana</i> Walsingham, 5332.	
<i>defecta</i> Grote, 1090.		<i>demissaria</i> Hübner, 3521.	
<i>defectarum</i> Guenée, 3838.		<i>demoditis</i> Hübner, 87.	
<i>defectella</i> Zeller, 6501.		<i>demonici</i> Hübner, 226.	
<i>defensaria</i> Guenée, 3461.		<i>demoraria</i> Strecker, 3775.	
<i>defensa</i> Grote, 1816.		<i>dematella</i> Grote, 4686.	
<i>defensaria</i> Freyer, 3862.		<i>dematobius</i> Smith, 1471.	
<i>definita</i> Packard, 3192 (Hemeroc-		<i>dendronia</i> Guenée, 3864.	
ampa).		<i>dendrata</i> Hy. Edwards, 4176.	
<i>defuncta</i> Aaron, 181 (Thesalia).		<i>densa</i> Walker, 2147 (Bellura).	
<i>defunctella</i> Zeller, 6156.		<i>densa</i> Smith, 1907 (Scotogramma).	
<i>defixaria</i> Walker, 3513.		<i>densaria</i> Walker, 3561.	
<i>defluvata</i> Staudinger, 3381.		<i>densellus</i> Zeller, 4629.	
<i>deflectana</i> Robinson, 5301.		<i>dentalis</i> Smith, 2264.	
<i>deflorata</i> Fabricius, 846.		<i>dentata</i> Grote, 1046 (Apharetra).	
<i>deflorana</i> Martyn, 894.		<i>dentata</i> Hy. Edwards, 3201 (Glo-	
<i>defluata</i> Walker, 3755.		veria).	
<i>defolurra</i> Clerek, 3883.		<i>dentata</i> Grote, 4817 (Melitara).	
<i>degenerana</i> Hübner, 3083.		<i>dentata</i> Dyar, 4057 (Roselia).	
<i>degenerata</i> Haworth, 3361.		<i>dentatella</i> Grote, 1947.	
Deidamia 64		<i>dentella</i> Fernald, 4553 (Eugrotæa).	
Deilephila 64		<i>dentella</i> Busck, 5726 (Gelechia).	
Deilmea 305		<i>denticulata</i> Harvey, 3013.	
<i>dejecta</i> Hulst, 3794 (Alcis).		<i>denticulata</i> Hulst, 3882 (Phigalia).	
<i>dejecta</i> Strecker, 2814 (Catocala).		<i>denticulata</i> Grote, 3648 (Sciagra-	
<i>delassata</i> Hulst, 4775.		phia).	
<i>de araricus</i> Forbes, 4935.		<i>denticulata</i> Walker, 3580 (Syn-	
<i>delanore</i> Edwards, 566.		chlora).	
<i>delanaricus</i> Zeller, 4933.		<i>denticulella</i> Ragonot, 4728.	
<i>delicta</i> Walker, 2662.		<i>denticulodes</i> Hulst, 3734.	
<i>delectata</i> Hulst, 3649.		<i>dentifera</i> Walker, 2550.	
<i>delectella</i> Hulst, 4755.		<i>dentiferellus</i> Walsingham.	
<i>deleta</i> Hulst, 3688 (Cymatophora).		<i>dentilinea</i> Hampson,	
<i>deleta</i> Grote, 2255 (Epiglea).		phula).	
<i>deleta</i> Hy. Edwards, 2701 (Fruva).		<i>dentilinea</i> Smith, 2	
<i>deleta</i> Guenée, 2929 (Poaphila).		<i>dentilineella</i> Hüb	

	Page.		Page.
<i>dentosa</i> Grote, 4525.		<i>destinatum</i> Möschler, 3351.	
<i>dentosella</i> Ragonot, 4838.		<i>destructor</i> Stephens, 6487.	
<i>denudata</i> Slosson, 846 (<i>Ecpanthe-</i> <i>ria</i>).		<i>desuetella</i> Walker, 4875.	
<i>denudata</i> Neumoegen, 765 (<i>Pseudo-</i> <i>hazis</i>).		<i>determinata</i> Neumoegen, 889 (<i>Apan-</i> <i>tesis</i>).	
<i>denudatum</i> Harris, 4183.		<i>determinata</i> Smith, 1780 (<i>Mames-</i> <i>tra</i>).	
Deoclona 504		<i>determinata</i> Walker, 3982 (<i>Meta-</i> <i>nema</i>).	
<i>depauperata</i> Oberthur, 845.		<i>determinatella</i> Zeller, 5924.	
<i>depicta</i> Grote, 2593.		<i>detersa</i> Walker, 1623.	
<i>depilis</i> Grote, 1378.		<i>detersata</i> Guenée, 3753.	
<i>deplanaria</i> Walker, 3961 (<i>Euch-</i> <i>læna</i>).		<i>detersella</i> Clemens, 5794.	
<i>deplanaria</i> Guenée, 3803 (<i>Para-</i> <i>phia</i>).		<i>detesta</i> Smith, 1621.	
<i>depointanata</i> Grote, 4014.		<i>detracta</i> Walker, 1783.	
Depressaria 520		<i>detrahens</i> Walker, 2962.	
<i>depressostrigella</i> Chambers, 5736.		<i>detritalis</i> Guenée, 4344.	
<i>deprivata</i> Walker, 3561.		<i>deutschiana</i> Zetterstedt, 5437.	
<i>depromaria</i> Grote, 3788.		Deva 190	
Deptalia 291		<i>deva</i> Edwards, 541.	
<i>depuiseti</i> Boisduval, 81.		<i>derastatrix</i> Brace, 1232.	
<i>depussostrigella</i> Chambers, 5736.		<i>devergens</i> Hübner, 2535.	
<i>deridens</i> Guenée, 964.		<i>deria</i> Grote, 2244.	
<i>derogata</i> Walker, 2558.		<i>derialis</i> Grote, 4518.	
<i>derosa</i> Morrison, 1112.		<i>devinctaria</i> Guenée, 3886.	
Derrima 186		<i>dia</i> Grote, 1972.	
<i>derupta</i> Morrison, 1301.		Diachorisia 573	
<i>descherei</i> Neumoegen, 3119.		Diacrisia 87	
<i>desdemonia</i> Hy. Edwards, 2877.		Diæthria 25	
<i>deserta</i> Smith, 1323 (<i>Homoha-</i> <i>dena</i>).		<i>diagonalis</i> Dyar, 2763.	
<i>deserta</i> Felder, 824 (<i>Illice</i>).		Diallagma 207	
<i>deserta</i> Hy. Edwards, 2913 (<i>Lito-</i> <i>cala</i>).		<i>diæna</i> Hy. Edwards, 2830 (<i>Cato-</i> <i>cala</i>).	
<i>desertana</i> Zeller, 5140.		<i>diana</i> Packard, 760 (<i>Hemileuca</i>).	
<i>desertus</i> Hy. Edwards, 792.1 (<i>Lyc-</i> <i>morpha</i>).		<i>diana</i> Hübner, 5537 (<i>Orchemia</i>).	
<i>deshaisiana</i> Lucas, 5297.		<i>diana</i> Cramer, 94 (<i>Semnopsyche</i>).	
<i>designalis</i> Guenée, 4313.		<i>diaphanella</i> Frey & Boll, 6277.	
<i>designata</i> Hufnagel, 3438 (<i>Gypso-</i> <i>chroa</i>).		Diaphania 378	
<i>designata</i> Walker, 2361 (<i>Schinia</i>).		<i>diasema</i> Boisduval, 2530.	
Desmia 373		Diasemia 385	
<i>desmodiella</i> Clemens, 6303.		Diastema 203	
<i>desmodifoliella</i> Clemens, 6352.		Diastictis 311	
<i>desolatus</i> Streckert, 6614.		Diathrausta 397	
<i>desperaria</i> Hulst, 3810.		Diatræa 411	
<i>desperata</i> Kirby, 945 (<i>Androloma</i>).		<i>diazoma</i> Grote, 3205.	
<i>desperata</i> Guenée, 2813 (<i>Catocala</i>).		<i>dibeliana</i> Hübner, 5006.	
<i>desperata</i> Hulst, 3266 (<i>Gymno-</i> <i>celis</i>).		Dicentria 253	
<i>desperata</i> Smith, 1793 (<i>Mamestra</i>).		Dichelia 475	
		Dichogama 375	
		<i>dichrocella</i> Ragonot, 4907.	
		Dichrorampha 470	
		Dicopis 129	
		<i>dictimealis</i> Walker, 4354.	

	Page.		Page.
<i>dictynna</i> Walker, 747.		<i>diminutiva</i> Grote, 2420 (<i>Heliaca</i>).	
Dicymolomia	412	<i>dimmocki</i> Grote, 1793.	
Didasys	77	<i>dimotalis</i> Walker, 4264.	
<i>didonea</i> Smith, 1176.		<i>dina</i> Hübner, 84.	
<i>didyma</i> de Beauvois, 778.		<i>dion</i> Edwards, 559.	
<i>dieckii</i> Neumoegen, 889.		<i>dionalis</i> Walker, 4411.	
<i>dietziella</i> Busck, 5544.		<i>dione</i> Fabricius, 882 (<i>Apantes</i>).	
<i>diffascialis</i> Hübner, 4276.		<i>dione</i> Scudder, 390 (<i>Gæides</i>).	
<i>differentialis</i> Fernald, 4626.		<i>dionea</i> Smith, 1190.	
<i>differta</i> Morrison, 2225.		<i>dionysius</i> Scudder, 278.	
<i>difficilisella</i> Chambers, 5608.		<i>dionyza</i> Hy. Edwards, 2869.	
<i>diffinana</i> Walker, 5133.		Diopridæ	249
<i>diffinis</i> Boisduval, 653.		Dioryctria	420
<i>diffissa</i> Grote & Robinson, 4458.		<i>diospiryella</i> Chambers, 6138.	
<i>difflua</i> Geyer, 1233.		Diphryx	412
<i>difformis</i> Smith, 1668.		<i>diphtheralis</i> Geyer, 4296.	
<i>diffusa</i> Grote, 2148 (<i>Bellura</i>).		Diphthera	106
<i>diffusa</i> Walker, 1965 (<i>Heliophila</i>).		<i>dipsaci</i> Grote & Robinson, 951.	
<i>diffusa</i> Smith, 2349 (<i>Schinia</i>).		<i>dipteroides</i> Guenée, 1054.	
<i>diffusilis</i> Harvey, 1266.		Dipterygia	122
<i>digitalis</i> Grote, 2211 (<i>Anchocelis</i>).		Dircenna	33
<i>digitalis</i> Smith, 2362 (<i>Schinia</i>).		Dircetis	245
<i>digna</i> Morrison, 1474.		<i>directana</i> Walker, 5335.	
<i>dilara</i> Strecker, 1200.		<i>direptana</i> Walker, 5228.	
<i>dilatana</i> Walsingham, 5153.		<i>dis</i> Grote, 2279.	
<i>dilatata</i> Smith, 1865.		<i>disa</i> Thunberg, 270.	
<i>dilatifasciella</i> Ragonot, 4822.		<i>discalis</i> Grote, 2733 (<i>Homopyralis</i>).	
<i>dilatocula</i> Smith, 2088.		<i>discalis</i> Grote, 1771 (<i>Mamestra</i>).	
<i>dilecta</i> Hy. Edwards, 1924.		<i>disceptaria</i> Fischer, 3449.	
Dilophonota	66	<i>discessalis</i> Walker, 4286.	
<i>dilucidula</i> Morrison, 1426.		<i>discigerana</i> Walker, 5242.	
<i>diluculella</i> Grote, 4649.		<i>discigerella</i> Ragonot, 4891.	
Diludia	67	<i>discinigra</i> Walker, 1147.	
<i>dilutana</i> Hübner, 3083 (<i>Nycteola</i>).		<i>discippus</i> Fabricius, 145.	
<i>dilutana</i> Walsingham, 5457 (<i>Pha-</i>		<i>discissa</i> Walker, 2946.	
<i>lonia</i>).		<i>discistriga</i> Smith, 1098.	
<i>dilutaria</i> Freyer, 3337.		<i>discivaria</i> Walker, 2235.	
<i>dilutata</i> Schiffermüller, 3337.		<i>discoannulella</i> Chambers, 5795.	
<i>diluticostana</i> Walsingham, 5337.		<i>discocella</i> Dietz, 5744.	
<i>dilutifusca</i> Walsingham, 5070.		<i>discoferana</i> Walker, 5246.	
<i>dimediatella</i> Ragonot, 4921.		<i>discoidalis</i> Kirby, 268 (<i>Erebica</i>).	
<i>dimidiana</i> Sodoffsky, 5034.		<i>discoidalis</i> Skinner, 362 (<i>Mitoura</i>).	
<i>dimidiata</i> Grote, 2272 (<i>Antapla-</i>		<i>discoidalis</i> Grote, 1408 (<i>Rhyncha-</i>	
<i>ga</i>).		<i>grotis</i>).	
<i>dimidiata</i> Strecker, 848 (<i>Leptarc-</i>		<i>discolor</i> Walker, 2217 (<i>Cosmia</i>).	
<i>tia</i>).		<i>discolor</i> Speyer, 1792 (<i>Mamestra</i>).	
<i>dimidiata</i> Herrich-Schæffer, 3118		<i>discolor</i> Smith, 1909 (<i>Scoto-</i>	
(<i>Pheosia</i>).		<i>gramma</i>).	
<i>dimidiata</i> Herrich-Schæffer, 4117		<i>discoloralis</i> Guenée, 3042.	
(<i>Pyromorpha</i>).		<i>discolorata</i> Neumoegen, 3215.	
<i>dimidiatellus</i> Grote, 4606.		<i>discomaculella</i> Chambers, 5785.	
<i>dimidiella</i> Walsingham, 5925.		<i>disconotella</i> Chambers, 5588.	
<i>diminutiva</i> Græf, 834 (<i>Eubaphe</i>).		<i>discocelella</i> Chambers, 5744.	

	Page.		Page.
<i>discoocella</i> Chambers, 5744.		<i>distincta</i> Neumoegen, 2755 (<i>Dras-</i>	
<i>discoocellella</i> Chambers, 5744.		teria).	
<i>discoocella</i> Coquillett, 5744.		<i>distincta</i> Grote, 2609 (<i>Eustrotia</i>).	
<i>discopunctana</i> Clemens, 5344.		<i>distincta</i> Hübner, 1785 (<i>Mamestra</i>).	
<i>discopunctella</i> Dietz, 5958.		<i>distincta</i> Walsingham, 5354 (<i>Spar-</i>	
<i>discora</i> Grote, 1214.		ganothis).	
<i>discospilata</i> Walker, 3604.		<i>distincta</i> French, 3210 (<i>Tolyte</i>).	
<i>discostrigata</i> Walsingham, 6015.		<i>distracta</i> Smith, 1407.	
<i>discostrigella</i> Chambers, 5899 (<i>Eth-</i>		<i>distribuaria</i> Hübner, 3738.	
mia).		<i>distycharia</i> Guenée, 3948.	
<i>discostrigella</i> Chambers, 5796 (<i>Gel-</i>		<i>diva</i> Grote, 2588 (<i>Annaphila</i>).	
echia).		<i>diva</i> Hulst, 3774 (<i>Platæa</i>).	
<i>discorenta</i> Walker, 3748.		<i>diva</i> Riley, 5533 (<i>Walsinghamia</i>).	
<i>discreta</i> Strecker, 3087.		<i>divaricata</i> Grote, 1305.	
<i>disertalis</i> Walker, 4285.		<i>divergens</i> Walker, 4097 (<i>Litha-</i>	
<i>disippe</i> Godart, 239.		codes).	
<i>disjunctaria</i> Packard, 3356.		<i>divergens</i> Walker, 1736 (<i>Paragrotis</i>).	
<i>dislocaria</i> Packard, 3786.		<i>divergens</i> Walker, 2361 (<i>Schinia</i>).	
<i>dispar</i> Grote, 4495 (<i>Nymphula</i>).		<i>divergens</i> Behr, 2782 (<i>Syneda</i>).	
<i>dispar</i> Smith, 1276 (<i>Polia</i>).		<i>divergens</i> Fabricius, 2534 (<i>Syn-</i>	
<i>dispar</i> Linnæus, 3196 (<i>Porthetria</i>).		grapha).	
<i>disparata</i> Hy. Edwards, 945.		<i>diversicolor</i> Morrison, 1165.	
<i>dispersellus</i> Robinson, 4545.		<i>diversilineata</i> Grote, 1267 (<i>Polia</i>).	
<i>dispiciens</i> Walker, 1649.		<i>diversilineatum</i> Hübner, 3348 (<i>Eustroma</i>).	
<i>disposita</i> Morrison, 2078.		<i>divesta</i> Grote, 1168.	
<i>dispulsa</i> Morrison, 965.		Diviana 433	
<i>dispuncta</i> Walker, 3687.1 (<i>Macaria</i>).		<i>divida</i> Möschler, 1305.	
<i>dispuncta</i> Walker, 3647 (<i>Sciagra-</i>		<i>dividua</i> Grote, 2615.	
phia).		<i>dividula</i> Grote, 2587.	
<i>dissecta</i> Grote & Robinson, 1028.		<i>divisa</i> Walker, 2571.	
<i>dissectalis</i> Grote, 4431.		<i>divisana</i> Hübner, 5309 (<i>Acleris</i>).	
<i>dissectella</i> Zeller, 5677.		<i>divisana</i> Walker, 5255 (<i>Ancyliis</i>).	
<i>dissectus</i> Grote, 4568.		<i>divisaria</i> Walker, 3862 (<i>Ectropis</i>).	
<i>disserptaria</i> Walker, 3864.		<i>divisaria</i> Walker, 3388 (<i>Hydrio-</i>	
<i>dissererans</i> Walker, 2923.		mena).	
<i>dissidens</i> Felder, 1305.		<i>divisata</i> Walker, 3764.	
<i>dissimilana</i> Treitschke, 5143.		<i>dnoposella</i> Ragonot, 4813.	
<i>dissimilaria</i> Hübner, 3759.		Doa 261	
<i>dissimilis</i> Hulst, 3771.		<i>docilis</i> Grote, 1456.	
<i>dissitana</i> Grote, 5381.		<i>docta</i> Walker, 885.	
<i>dissociana</i> Walker, 2943.		<i>dodecana</i> Zeller, 5079.	
<i>dissociaria</i> Hulst, 3821.		<i>dodgei</i> Butler, 890 (<i>Apantesis</i>).	
<i>dissona</i> Möschler, 1697.		<i>dodgei</i> Grote, 1842 (<i>Mamestra</i>).	
<i>dissonaria</i> Hulst, 3792.		Dodia 83	
<i>distria</i> Hübner, 3221.		<i>doira</i> Strecker, 1862.	
<i>distans</i> Grote, 1032.		<i>dolabella</i> Zeller, 5686.	
<i>distema</i> Grote, 5270 (<i>Ancyliis</i>).		Dolba 69	
<i>distema</i> Grote, 2566 (<i>Cilla</i>).		Dolichorhinia 433	
<i>disticha</i> Morrison, 1923.		Dolichosticha 374	
<i>distichata</i> Guenée, 4010.		<i>dolichus</i> Hübner, 329.	
<i>distichoides</i> Grote, 1752.		<i>dolis</i> Grote, 1618.	
<i>distigma</i> Walsingham, 772.		<i>dollii</i> Neumoegen, 4184 (<i>Memy-</i>	
<i>distigmata</i> Walker, 5144.		thrus).	

Page.		Page.
	<i>dollii</i> Grote, 1562 (<i>Porosagrotis</i>).	<i>drusus</i> Edwards, 594 (<i>Thorybes</i>).
	<i>dollii</i> Neumoegen, 710 (<i>Sphinx</i>).	<i>drya</i> Fabricius, 52.
	<i>dolores</i> Neumoegen & Dyar, 3200.	<i>dryadata</i> Hulst, 3431.
	<i>dolosa</i> Strecker, 2383 (<i>Schinia</i>).	<i>dryadella</i> Hulst, 4861.
	<i>dolosa</i> Grote, 1894 (<i>Xylomiges</i>).	<i>dryas</i> Edwards, 206.
	<i>domalis</i> Guenée, 4511.	Dryobota 121
	<i>domicella</i> Erichson, 641.	Dryocetis 311
	<i>domina</i> Hy. Edwards, 2590.	Dryope 527
	<i>domingonis</i> Butler, 692.	<i>dryope</i> Edwards, 343.
	<i>dominicaria</i> Guenée, 3585.	<i>dryopterata</i> Grote, 4044.
	<i>dominicata</i> Guenée, 2919.	<i>duaria</i> Guenée, 3944.
Donacoscaptes 412		<i>dubia</i> Walker, 851.
<i>donotaria</i> Walker, 3739.		<i>dubiana</i> Clemens, 5249.
<i>dorantes</i> Stoll, 579.		<i>dubiella</i> Stainton, 6520.
<i>dorcas</i> Kirby, 397.		<i>dubiosella</i> Beutenmüller, 5503.
<i>doris</i> Boisduval, 882 (<i>Apantesis</i>).		<i>dubitana</i> Hübner, 5462.
<i>doris</i> Barnes, 755 (<i>Coloradia</i>).		<i>dubitans</i> Walker, 1227 (<i>Hadena</i>).
<i>dormitans</i> Guenée, 1076.		<i>dubitans</i> Tepper, 2422 (<i>Heliaca</i>).
<i>dorothea</i> Dyar, 3165.		<i>dubitata</i> Linnæus, 3416 (<i>Triphosa</i>).
<i>dorsalis</i> Smith, 2130.		<i>dubitata</i> Packard, 3417 (<i>Triphosa</i>).
<i>dorsalutea</i> Walker, 2365.		<i>dubitatella</i> Zeller, 5851.
<i>dorsimacula</i> Dyar, 6600.		<i>dubitella</i> Chambers, 5662.
<i>dorsimaculana</i> Robinson, 5440.		<i>ducens</i> Walker, 3148.
<i>dorsimaculella</i> Chambers, 6471.		<i>ducta</i> Grote, 1230.
<i>dorsipallidella</i> Chambers, 6110.		<i>dudiella</i> Busek, 5627.
<i>dorsisignatana</i> Clemens, 5144.		<i>dugei</i> Cockerell, 953.
<i>dorsistriatana</i> Walsingham, 5464.		<i>dulcearia</i> Grote, 3773.
<i>dorsistrigella</i> Clemens, 6502.		<i>dulciella</i> Hulst, 4856 (<i>Honora</i>).
<i>dorsivittella</i> Zeller, 5603.		<i>dulciella</i> Hulst, 4679 (<i>Myelois</i>).
<i>dorsomaculella</i> Dietz, 5961.		<i>dulciola</i> Grote, 2901.
<i>dorus</i> Edwards, 581.		<i>dumetellus</i> Hübner, 4571.
Doryodes 206		<i>dumeti</i> Behr, 313.
Dosara 382		<i>dumetorum</i> Boisduval, 380.
Dosithea 294		<i>dunbari</i> Harvey, 2116.
<i>dotalis</i> Hulst, 4891.		<i>duodecemlineata</i> Packard, 3330.
<i>dotata</i> Clerck, 3350.		<i>duodecemlineella</i> Chambers, 6371.
<i>doubledayi</i> Guenée, 1075 (<i>Baileya</i>).		<i>duodecemstriata</i> Walsingham, 5284.
<i>doubledayi</i> Scudder, 3141 (<i>Hetero-</i>		<i>duorata</i> Bird, 2189.1.
<i>campa</i>).		<i>duplana</i> Fabricius, 3083.
<i>doubledayi</i> Packard, 3123 (<i>Nadata</i>).		<i>duplex</i> Walsingham, 5049.
Douglasia 543		<i>duplicata</i> Worthington, 2865 (<i>Cato-</i>
<i>draco</i> Edwards, 518.		<i>cala</i>).
<i>dracusalis</i> Walker, 4306.		<i>duplicata</i> Neumoegen & Dyar, 839
Drasteria 220		(<i>Haploa</i>).
Drepana 264		<i>duplicata</i> Bethune, 3002 (<i>Homop-</i>
Drepanodes 344		<i>tera</i>).
<i>dreuxeni</i> Staudinger, 1656.		<i>duplicata</i> Packard, 3651 (<i>Scia-</i>
<i>drexeli</i> Hy. Edwards, 3101.		<i>graphia</i>).
<i>drupaccarum</i> Boisduval, 3221.		<i>duplicatus</i> Smith, 2439 (<i>Cirrho-</i>
<i>drupiferarum</i> Smith & Abbot, 701.		<i>phanus</i>).
<i>druræi</i> Donovan, 699.		<i>duplicatus</i> Grote, 4609 (<i>Crambus</i>).
<i>drurii</i> Latreille, 545.		<i>duplipunctella</i> Ragonot, 4681.
<i>drusus</i> Edwards, 185 (<i>Charidryas</i>).		<i>durpi</i> Edwards, 314.

	Page.	
<i>dwinellei</i> Hy. Edwards, 148.		<i>editha</i> Boisduval, 159 (Lemonias).
<i>dyaralis</i> Fernald, 4333.		<i>edmandsi</i> Packard, 3151 (Schizura).
<i>dyarella</i> Kearfott, 5520.		<i>edmandsi</i> Packard, 4838 (Vitula).
<i>dyari</i> Cockerell, 2438 (Cirrhopha- nus)		<i>edna</i> Hulst, 3274.
<i>dyari</i> Rivers, 3223 (Epinaptera).		<i>edolata</i> Guenée, 1035.
<i>dyari</i> Merrick, 840 Haploa		<i>edonia</i> Grote, 4613.
<i>dyari</i> Busck, 5531 (Hemerophila).		<i>eductalis</i> Walker, 3063.
Dyaria	417	<i>edum</i> Drury 2986
<i>dyariella</i> Busck, 6339 (Chilocam- pyla).		<i>edumna</i> Harvey 2995
<i>dyariella</i> Busck, 5749 (Gelechia).		<i>edwardi</i> Neunöegen & Dyar, 4158.
<i>dyarii</i> Hulst, 3565 (Nemoria).		<i>edwardsata</i> Packard, 3901 (Neoter- pes).
<i>dyana</i> Grote, 2487.		<i>edwardsata</i> Hulst, 3769 (Phengom- macea)
<i>dymas</i> Edwards, 171.		<i>edwardi</i> Grote, 786 (Lymire).
<i>dymusalis</i> Walker, 4807.		<i>edwardsiata</i> Hulst, 4800.
Dynotheca	33	<i>edwardsiana</i> Walsingham, 5465.
Dyscia	332	<i>edwardsii</i> Boisduval, 944 (Andro- loma).
Dyscymatoge	269	<i>edwardsii</i> Stretch, 881 (Apantesia).
Dysconomis	192	<i>edwardsii</i> Reakirt, 119 (Argynnis).
Dysodia	361	<i>edwardsii</i> Butler, 688 (Dilopho- nota).
<i>dyspteraria</i> Grote, 4139.		<i>edwardsi</i> Behr, 70 (Eurymus).
Dyspteridines	265	<i>edwardsi</i> Packard, 928 (Hemihya- lea)
Dyspteris	265	<i>edwardsi</i> Barnes, 481 (Oarisma).
Dysstroma	282	<i>edwardsii</i> Heylaerts, 4067 (Platæ- ceticus).
<i>earina</i> Morrison, 1777.		<i>edwardsi</i> Fish, 4940 (Platyptilia).
<i>earisi</i> Hy. Edwards, 242 (Basil- archia).		<i>edwardsii</i> Beutenmüller, 4194 (San- ninoidea).
<i>eareni</i> Stretch, 896 (Kodiosoma).		<i>edwardsi</i> Beutenmüller, 4256 (Se- sia).
<i>eboracensis</i> Zeller, 6108.		<i>edwardsii</i> Behr, 46 (Synchloe).
<i>eborata</i> Hulst, 3254.		<i>edwardsii</i> Behr, 2796 (Syneda).
<i>ebriola</i> Poey, 88.		<i>edwardsi</i> Saunders, 345 (Thecla).
<i>ebulealis</i> Guenée, 4300.		<i>edwardsi</i> Smith, 943 (Trichoclea).
<i>eburua</i> Walsingham, 6173.		<i>effasciaria</i> Hulst, 4006.
<i>eburneata</i> Guenée, 3536.		<i>effectaria</i> Walker, 3957.
<i>ecclesialis</i> Guenée, 4285.		<i>effictalis</i> Walker, 4454.
Eecopsia	430	<i>effractana</i> Frölich, 5209.
Ecdytolopha	470	<i>effrenatella</i> Clemens, 6534.
<i>echinocystis</i> Behr, 2406.		<i>effusalis</i> Walker 3009.
<i>echo</i> Edwards, 440 (Cyaniris).		<i>egna</i> Guenée, 2489.
<i>echo</i> Smith & Abbot, 849 (Seirarc- tia).		<i>egenaria</i> Walker 4059.
Ecpantheria	84	<i>egens</i> Walker 163.
<i>ectrapela</i> Smith, 1861		<i>egeremet</i> Scudder, 519.
Ectropis	327	<i>egesta</i> Smith, 986.
<i>ectypa</i> Morrison, 1828.		<i>eglanterina</i> Boisduval, 764.
Ectypia	91	<i>egle</i> Drury, 910.
<i>edentata</i> Grote, 2621 (Azenia).		<i>eglis</i> Boisduval, 130.
<i>edentata</i> Smith, 1539 (Feltia).		<i>eglenensis</i> Clemens, 907.
<i>edentella</i> Hulst, 4917		
<i>eductalis</i> Walker, 3074 (Bomolocha).		
<i>eductalis</i> Smith, 1565 (Paragrotis).		
<i>edutha</i> Mead, 391 (Gæides).		

	Page.		Page.
<i>egressalis</i> Walker, 4636.		<i>eliza</i> Fischer, 2872.	
Egryrlon	238	<i>elko</i> Edwards, 280.	
Eido	492	<i>ella</i> Hulst, 3504 (Charommataea).	
Eidothoa	500	<i>ella</i> Chambers, 6140 (Coptodisca).	
<i>ejectarium</i> Walker, 3838.		<i>ella</i> Hulst, 3697 (Cymatophora).	
<i>ekthlipsis</i> Grote, 4490.		<i>ella</i> Hulst, 4916 (Homosassa).	
<i>elaborata</i> Hy. Edwards, 2424 (Helica).		<i>ellatina</i> Hulst, 3504.	
<i>elaborata</i> Grote, 3612 (Heliomata).		Ellema	70
Elachista	535	Ellida	257
Elachistidæ	530	<i>elliottii</i> Pearsall, 4077 (Euclea).	
Elasmopalpus	426	<i>elliottii</i> Fernald, 4964 (Pterophorus).	
<i>elata</i> Smith, 1446.		<i>ello</i> Linnaeus, 686.	
<i>elautalis</i> Grote, 4481.		Ellopie	334
<i>elda</i> Behr, 2825 (Catocala).		<i>eloisella</i> Clemens, 6157.	
<i>elda</i> French, 2069 (Cleoceris).		<i>elongana</i> Walsingham, 5172.	
<i>elda</i> Hy. Edwards, 4242 (Sesia).		<i>elongata</i> Stretch, 888 (Apantes).	
<i>eldanaria</i> Walker, 4007.		<i>elongata</i> Hulst, 3823 (Cenocharis).	
<i>elealis</i> Walker, 4425.		<i>elongata</i> Grote, 3165 (Fentonia).	
<i>electa</i> Hulst, 3751 (Aethyctera).		<i>elongata</i> Haworth, 3294 (Tephroclystis).	
<i>electa</i> Edwards, 105 (Argynnis).		<i>elongatus</i> Grote, 2946 (Celiptera).	
<i>electalis</i> Hulst, 4515.		<i>elongella</i> Linnaeus, 6354.	
<i>electellum</i> Hulst, 4865.		<i>elonympha</i> Hübner, 2909.	
<i>electilis</i> Morrison, 1382.		Elophila	396
Electra	277	<i>elsa</i> Strecker, 712.	
<i>electra</i> Wright, 756 (Hemileuca).		<i>elsinora</i> Hulst, 3609.	
<i>electra</i> Lintner, 602 (Thorybes).		<i>elutalis</i> Hübner, 4336.	
<i>elegans</i> Clemens, 4582 (Crambus).		<i>elutata</i> Hübner, 3387.	
<i>elegans</i> Hübner, 2432 (Noropsis).		<i>elutea</i> Haworth, 4879.	
<i>elegans</i> Strecker, 3114 (Odontosia).		<i>elutella</i> Hübner, 4879.	
<i>elegans</i> Packard, 4098 (Packardia).		<i>elva</i> Bates, 196.1.	
<i>elegans</i> Stretch, 918 (Pygaretia).		<i>elymi</i> Rambur, 221.	
<i>elegantalis</i> Warren, 4382 (Diasemia).		<i>emaciatana</i> Walsingham, 5154.	
<i>elegantalis</i> Fitch, 2725 (Pangrapt).		<i>emaculata</i> Smith, 1038.	
<i>elegantaria</i> Hy. Edwards, 3888.		<i>emargataria</i> Guenée, 3932.	
<i>elegantella</i> Chambers, 5582 (Aristotelia).		<i>emarginana</i> Walsingham, 5210.	
<i>elegantella</i> Frey & Boll, 6372 (Gracilaria).		<i>emarginata</i> Grote, 1405 (Rhynchagrotis).	
<i>elegantella</i> Hulst, 4718 (Pinipestis).		<i>emarginata</i> Smith, 2104 (Xylina).	
<i>elegantellus</i> Walker, 4557 (Crambus).		<i>emblemella</i> Clemens, 5654.	
<i>elegantula</i> Harvey, 2684.		<i>emeritella</i> Stainton, 5884.	
<i>elephantopodella</i> Frey & Boll, 6322.		Emesis	34
<i>eleucha</i> Hübner, 235.		<i>emilia</i> Hy. Edwards, 2810 (Catocala).	
<i>elevalis</i> Guenée, 4310.		<i>emilia</i> Edwards, 70 (Eurymus).	
<i>elerana</i> Fabricius, 5309.		<i>emissa</i> Edwards, 192.	
<i>elerata</i> Smith, 1436 (Pachnobia).		Emmelesia	282
<i>elerata</i> Fabricius, 4310 (Sylepta).		Emmelia	382
<i>elimaria</i> Hulst, 3621.		Emmiltis	298
<i>elimata</i> Guenée, 1426.		Walker, 4167.	
<i>elis</i> Strecker, 62.		286
<i>elisata</i> Strecker, 3415.		179
		469

	Page.	
<i>euclen</i> Bergstraser, 189.		<i>euonymella</i> Chambers, 5477.
Euclemensia	525	Eupanychis
Euclidia	221	Euparthenos
Eucoptocnemis	149	<i>eupatoriella</i> Chambers, 5858 (<i>De-</i> <i>pressaria</i>).
Eucordylea	500	<i>eupatoriella</i> Chambers, 6375 (<i>Gra-</i> <i>cilaria</i>).
Eucosma	455	<i>eupatoriella</i> Chambers, 5686 (<i>Yp-</i> <i>solophus</i>).
Eucosmia	276	<i>eupatorii</i> Fernald, 4983 (<i>Pteropho-</i> <i>rus</i>).
Eucosmophora	557	<i>eupatorii</i> Hy. Edwards, 420 (<i>Sesia</i>).
Eucrostis	300	<i>eupharsalis</i> Walker, 4437.
Eucymatoge	273	Euphanessa
Eudamus	56	<i>euphemella</i> Hulst, 4661.
Eudarcia	574	Euphia
Eudeilinea	264	Euphydryas
Eudemis	466	Euphyes
<i>eudiopta</i> Guenée, 1300.		Euphyia
Eudioptis	378	Eupithecia
<i>eudora</i> Dyar, 814.		<i>eupitheciaria</i> Grote, 3822.
Eudorea	397	Euplexia
<i>eudoriella</i> Ragonot, 4860.		Euplocamus
Eudryas	194	Eupoca
Eudule	267	Eupolia
Eueretagrotis	131	Euproctis
Euerythra	84	Eupsedomorpha
<i>eufala</i> Edwards, 533.		Eupsendosoma
Eufernaldia	410	Eupsyche
Eufidonia	303	Euptoieta
Eufitchia	311	Eurema
<i>eugeniella</i> Busek, 6122.		Eurhinosea
Eugonia	23, 336	<i>euroa</i> Grote & Robinson, 2223.
Eugonobapta	335	<i>euroides</i> Grote, 1698.
Eugrotea	403	<i>europome</i> Stephens, 66.
Euhagena	364	<i>europomene</i> Esper, 74.
Euharveya	171	Euros
Euherrichia	216	<i>euryalus</i> Boisduval, 742.
Euhyparpax	254	<i>eurycles</i> Latreille, 578.
<i>eulalia</i> Doubleday & Hewitson, 243.		Eurycreon
<i>eulepis</i> Grote, 2137.		Eurycyttarus
Eulepiste	577	<i>eurydice</i> Boisduval, 60.
Eulia	484	<i>eurymedon</i> Boisduval, 9.
Eulonche	99	Eurymene
Eulyonetia	544	Eurymus
Eulypa	278	Eurynome
Eumacaria	311	<i>eurynome</i> Edwards, 128.
Eumæus	35	<i>eurythene</i> Boisduval, 65.
<i>eumelusalis</i> Walker, 3037.		Eurythmia
Eumestleta	211	Eurythmidia
Eumeyrickia	519	<i>eurytris</i> Fabricius, 299.
Eunemoria	300	<i>eurytulus</i> Hübner, 366.
Eunica	24	<i>eurytus</i> Fabricius, 299.
<i>eunus</i> Edwards, 478.		
<i>eunusalis</i> Walker, 4336.		
Eunystalea	252	

	Page.		Page.
Euschausia	95	<i>excelsa</i> Ottolengui, 2522 (Autogra-	
Eusebia	288	pha).	
Eustixia	394	<i>excelsa</i> Strecker, 3984 (Metanema).	
Eustroma	277	<i>excelsarium</i> Strecker, 3840.	
Eustrotia	209	<i>exclamationis</i> Walsingham, 4993.	
Eutelia	204	<i>excogita</i> Smith, 1607.	
Eutephria	282	<i>exculta</i> Smith, 1606.	
<i>euterpe</i> Ménétries, 85 (Eurema).		<i>excurraria</i> Morrison, 3929 (Plago-	
<i>euterpe</i> Hy. Edwards, 658 (Lepise-		dis).	
<i>euterpe</i> Herrich-Schaeffer, 780 (Syn-		<i>excurraria</i> Packard, 3580 (Syn-	
tomeida).		chlora).	
Euthales	106	<i>excurreata</i> Grote, 3407 (Hydrio-	
Euthalia	282	mena).	
Euthisanotia	194	<i>excurreata</i> Packard, 3662 (Scia-	
Euthyatira	258	graphia).	
Eutolype	127	Exedrium	70
Eutrapela	341	Exelis	323
Euvanessa	23	<i>exemplaris</i> Smith, 1365.	
Euverna	91	<i>exemptalis</i> Walker, 4325.	
Euzophera	430	Exentera	463
<i>eradue</i> Godart, 53.		<i>exertistigma</i> Morrison, 1404.	
<i>eragaria</i> Hulst, 3704.		<i>exesa</i> Guenée, 1139 (Oligia).	
Evagora	500	<i>exesus</i> Grote, 4566 (Crambus).	
<i>evanidalis</i> Grote, 1542 (Feltia).		<i>exigua</i> Hübner, 1103 (Caradrina).	
<i>evanidalis</i> Robinson, 3080 (Hy-		<i>exigua</i> Hy. Edwards, 4074 (Oedo-	
pena).		nia).	
<i>evanidalis</i> Bergstraser, 4352 (Lox-		<i>exilis</i> Grote, 1024 (Apatela).	
ostege).		<i>exilis</i> Boisduval, 450 (Brephidium).	
<i>evanidum</i> Grote, 1049.		<i>eximia</i> Grote, 3150.	
<i>evolina</i> French, 2810 (Catocala).		<i>excitiosa</i> Say, 4194.	
<i>evolina</i> French, 1148 (Hadena).		<i>exnotata</i> Walker, 3647.	
Everes	45	<i>exoleta</i> Hy. Edwards, 355 (Thecla).	
Evergestis	380	<i>exoletum</i> Zeller, 5023 (Exartema).	
<i>eversaria</i> Guenée, 3698.		<i>exoptatella</i> Chambers, 5513.	
<i>eversmanni</i> Ménétries, 4.		Exoria	404
Evetria	448	<i>exornata</i> Möschler, 1222 (Hadena).	
<i>evicta</i> Grote, 1885.		<i>exornata</i> Walker, 3605 (Orthofido-	
Evippe	500	nia).	
<i>evius</i> Boisduval, 412.		<i>expallidus</i> Grote, 2459.	
<i>evicta</i> Hübner, 2557.		<i>expandens</i> Walker, 4648.	
<i>evagitata</i> Walker, 3370.		<i>expansa</i> Walker, 1950.	
<i>evallata</i> Hy. Edwards, 2347.		<i>explagiata</i> Walker, 3390.	
<i>evanthemaria</i> Denis & Schiffermül-		<i>explanata</i> Walker, 3323 (Eucyma-	
ler, 3625.		toge).	
<i>evanthemata</i> Scopoli, 3625.		<i>explanatum</i> Walker, 3355 (Eustro-	
Exartema	450	ma).	
<i>exasperatana</i> Zeller, 5386.		<i>expolita</i> Grote, 2667.	
<i>exauspicata</i> Walker, 3647.		<i>exportalis</i> Guenée, 4275.	
<i>excavatus</i> Smith & Abbot, 731.		<i>exposita</i> Dyar, 4054.	
<i>excantalis</i> Hulst, 4801.		<i>ex</i>	44, 914.1.
<i>excelsa</i> Neumoegen, 890 (Apantesis).			38.

	Page.		Pa.
<i>expulsa</i> Walker, 1707.		<i>fagisticella</i> Chambers, 6017.	
<i>expultrix</i> Grote, 3177.		<i>fagigemmarana</i> Chambers, 5009.	
<i>expunctaria</i> Grote, 3939.		<i>fagina</i> Morrison, 2100.	
<i>exsiccatus</i> Zeller, 4604.		<i>faginella</i> Chambers, 5851 (<i>Cryptolechia</i>).	
<i>exsimaria</i> Guenée, 3934.		<i>faginella</i> Zeller, 6271 (<i>Lithocolletes</i>).	
<i>exsulella</i> Zeller, 4683.		Fagitana	
<i>exsuperata</i> Walker, 3803.		Fala	
<i>externa</i> Walker, 2618.		<i>falacer</i> Godart, 347.	
<i>externalis</i> Warren, 4407.		Falcaria	
<i>extersa</i> Walker, 1155.		<i>falcata</i> Packard, 3968 (<i>Euchlæna</i>).	
<i>extimalis</i> Scudder, 4335.		<i>falcata</i> Schaus, 3191 (<i>Hemerocampa</i>).	
<i>extimia</i> Walker, 1105.		<i>falcata</i> Neumoegen, 1310 (<i>Pseudanarta</i>).	
<i>extincta</i> Guenée, 1976 (<i>Heliophila</i>).		<i>falcataria</i> Packard, 3629.	
<i>extincta</i> Smith, 1269 (<i>Polia</i>).		<i>falciferella</i> Walsingham, 5491.	
<i>extorralis</i> Hulst, 4558.		<i>falcigera</i> Kirby, 2519.	
<i>extorris</i> Warren, 4388.		<i>falconipennella</i> Hübner, 6355.	
<i>extranea</i> Guenée, 1953 (<i>Heliophila</i>).		<i>falcula</i> Grote, 1016.	
<i>extranea</i> Smith, 1366 (<i>Oncocnemis</i>).		<i>falerina</i> Smith, 1619.	
<i>extranea</i> Smith, 1646 (<i>Paragrotis</i>).		<i>fallacialis</i> Walker, 3042.	
<i>extranea</i> Hy. Edwards, 5538 (<i>Thelethia</i>).		<i>fallax</i> Herrich-Schaeffer, 1060.	
<i>extraneella</i> Walsingham, 6100.		<i>fallifera</i> Walker, 3530.	
<i>extremaria</i> Walker, 3757 (<i>Apæcasia</i>).		<i>falsa</i> Grote, 1120.	
<i>extremaria</i> Walker, 3571 (<i>Racheospila</i>).		<i>falsarius</i> Clemens, 4115.	
<i>extremis</i> Smith, 1340.		<i>famula</i> Zeller, 5312.	
<i>extricalis</i> Guenée, 4411.		<i>famulata</i> Hulst, 3749.	
<i>extricata</i> Grote, 1036.		<i>fantasia</i> Butler, 58.	
<i>extrincicella</i> Dyar, 5528.		<i>farcta</i> Grote, 1987.	
<i>exuberans</i> Smith, 1509.		<i>farinalis</i> Linnæus, 4516.	
<i>exulis</i> Lefèvre, 1233.		<i>faruhami</i> Grote, 1787.	
<i>exusta</i> Guenée, 1807.		<i>farrella</i> Curtis, 4793.	
<i>exvagana</i> Walker, 5129.		<i>fusceolaria</i> Packard, 3558.	
Exyra	211	<i>fascialis</i> Cramer, 4276 (<i>Hymenia</i>).	
Fabatana	400	<i>fascialis</i> Walker, 4437 (<i>Pyrausta</i>).	
<i>fabia</i> Fabricius, 5.		<i>fasciata</i> Smith, 2950 (<i>Antiblemma</i>).	
<i>fabrefacta</i> Morrison, 1119.		<i>fasciata</i> Walker, 1031 (<i>Apatela</i>).	
<i>fabriciana</i> Hübner, 5435.		<i>fasciata</i> Smith, 1373 (<i>Copipanolis</i>).	
<i>fabriciella</i> Villiers, 6010.		<i>fasciata</i> Swainson, 688 (<i>Dilophonota</i>).	
<i>fabricii</i> Boisduval, 753 (<i>Automeris</i>).		<i>fasciata</i> Grote & Robinson, 4134 (<i>Dysodia</i>).	
<i>fabricii</i> Edwards, 205 (<i>Polygonia</i>).		<i>fasciata</i> Butler, 267 (<i>Erebia</i>).	
<i>fabricii</i> Kirby, 345 (<i>Thecla</i>).		<i>fasciata</i> Hy. Edwards, 2421 (<i>Heliaca</i>).	
<i>fabula</i> Grote, 3229.		<i>fasciata</i> Strecker, 399 (<i>Heodes</i>).	
<i>faceta</i> Hy. Edwards, 2794.		<i>fasciata</i> Hy. Edwards, 1124 (<i>Perigea</i>).	
<i>factiosalis</i> Walker, 3046.		<i>fasciata</i> Skinner, 3443.1 (<i>Psychophora</i>).	
<i>factoris</i> Smith, 1733.			
<i>facula</i> Grote, 1405.			
<i>fadus</i> Cramer, 664.			
<i>fagella</i> Busck, 5607.			
<i>fagicorticella</i> Chambers, 6017.			

Page.		Page.
	<i>fasciata</i> Smith, 1922 (Ulolonche).	
	<i>fasciatana</i> Clemens, 5021 (Exar- tema).	
	<i>fasciatanum</i> Retzius, 3083 (Nycte- ola).	
	<i>fasciatella</i> Grote, 2696.	
	<i>fasciatus</i> Smith, 1326 (Oncocne- mis).	
	<i>fasciatus</i> Sulzer, 677 (Pholus).	
	<i>fasciella</i> Chambers, 6563 (Adela).	
	<i>fasciella</i> Chambers, 6356 (Gracila- ria).	
	<i>fasciella</i> Walsingham, 6317 (Litho- colletes).	
	<i>fasciella</i> Fernald, 4537 (Patissa).	
	<i>fasciella</i> Chambers, 6541 (Pitys).	
	<i>fasciella</i> Chambers, 5666 (Tel- phusa).	
	<i>fascioferaria</i> Hulst, 3694.	
	<i>fasciola</i> Herrich-Schaeffer, 4097.	
	<i>fasciolalis</i> Hulst, 4736.	
	<i>fasciolana</i> Clemens, 5221.	
	<i>fasciolaria</i> Hulst, 3553.	
	<i>fasciolaris</i> Hübner, 2766.	
	<i>faseolaria</i> Guenée, 3558.	
	<i>fastidiosa</i> Strecker, 2371.	
	<i>fastuosa</i> Zeller, 5482 (Atteva).	
	<i>fastuosa</i> Guenée, 2432 (Noropsis).	
	<i>fatuaria</i> Strecker, 3905.	
	<i>faulalis</i> Walker, 4487.	
	<i>fauna</i> Morrison, 1663.	
	<i>faunus</i> Edwards, 209 (Polygonia).	
	<i>faunus</i> Strecker, 1761 (Ufeus).	
	<i>faustina</i> Strecker, 2855.	
	<i>faustinaria</i> Strecker, 3902.	
	<i>faustinula</i> Boisduval, 823.	
	<i>fautaria</i> Hulst, 3750.	
	<i>favonius</i> Smith & Abbot, 336 (Thecla).	
	<i>favonius</i> Boisduval & Le Conte, 335 (Uranotes).	
	<i>favorita</i> Neumoegen, 890.	
	<i>fax</i> Grote, 2629.	
	<i>faxonii</i> Minot, 3603.	
	<i>fea</i> Edwards, 450.	
	<i>februalis</i> Grote, 1283.	
	<i>fecialis</i> Grote, 3066.	
	<i>fegeus</i> Cramer, 665.	
	<i>feildenii</i> McLachlan, 399.	
	Felderia 579	
	<i>felicella</i> Walsingham, 6176.	
	<i>feliccia</i> Poey, 41.	
	<i>felicitata</i> Smith, 2308.	
	<i>felina</i> Grote, 976 (Apatela).	
	<i>felina</i> Druce, 966 (Charadra).	
	<i>felix</i> Walsingham, 5438.	
	Feltia 138	
	Fenaria 195	
	<i>fenestra</i> Perry, 748.	
	<i>fenestrella</i> Packard, 4805.	
	Feniseca 40	
	<i>feniseca</i> Harvey, 1635.	
	<i>fennica</i> Tauscher, 1489.	
	Fentonia 257	
	<i>fenyessella</i> Dietz, 5960.	
	Feralia 121	
	<i>feriella</i> Hulst, 4720.	
	<i>fernaldana</i> Grote, 5084 (Eucosma).	
	<i>fernaldana</i> Walsingham, 5442 (Pha- lonia).	
	<i>fernaldaria</i> Hulst, 3862.	
	Fernaldella 303	
	<i>fernaldella</i> Walsingham, 6064 (Cos- mopteryx).	
	<i>fernaldella</i> Walsingham, 5864 (De- pressaria).	
	<i>fernaldella</i> Chambers, 5853 (Machi- mia).	
	<i>fernaldellu</i> Riley, 5536 (Setios- toma).	
	<i>fernaldella</i> Busck, 5671 (Tricho- taphe).	
	Fernaldellinae 303	
	<i>fernaldi</i> Ragonot, 4534 (Acallis).	
	<i>fernaldi</i> Grote, 3754 (Apæcasia).	
	<i>fernaldi</i> Ragonot, 4775 (Myrlæa).	
	<i>fernaldi</i> Morrison, 1693 (Para- grotis).	
	Fernaldia 568	
	<i>fernaldialis</i> Hulst, 4819.	
	<i>feronia</i> Linnæus, 231.	
	<i>ferox</i> Walker, 780.	
	<i>ferraria</i> Walker, 2435.	
	<i>ferrea</i> Grote, 1830.	
	<i>ferrealis</i> Grote, 1854 (Mamestra).	
	<i>ferrealis</i> Grote, 2093 (Xylina).	
	<i>ferriferanum</i> Walker, 5027.	
	<i>ferrigera</i> Walker, 4085 (Adoneta).	
	<i>ferrigera</i> Smith, 2033 (Graphi- phora).	
	<i>ferrolineana</i> Walker, 5056.	
	<i>ferrugalis</i> Hübner, 4401.	
	<i>ferrugana</i> Schiffermüller, 5316 (Ac- leris).	

Page.

- ferruginea* Hübner, 5418 (Eulia).
ferrugaria Borkhausen, 3457 (Petrophora).
ferrugaria Haworth, 3458 (Petrophora).
ferrugula Packard, 3521 (Eois).
ferrugula Hübner, 3458 (Petrophora).
ferrugula Clerck, 3457 (Pterophora).
ferruginana Fernald, 5168.
ferruginaria Packard, 3695.
ferruginea Smith, 2949 (Anticarsia).
ferruginea Packard, 3223 (Epicnaptera).
ferruginea Packard, 4077 (Euclea).
ferruginea Packard, 3120 (Lophodonta).
ferrugineana Riley, 5011.
ferruginella Ragonot, 4835 (Euzophora).
ferruginella Hübner, 6488 (Monopis).
ferruginiguttana Fernald, 5306.
ferruginoides Guenée, 2222 (Orthosia).
ferruginoides Smith, 1431 (Pachnobia).
ferruginosa Zeller, 5847 (Cryptolechia).
ferruginosa Walker, 834 (Eubaphe).
ferruginosaria Packard, 3758.
ferrunimaria Zeller, 3404.
ferrus Walker, 1113.
ferrida Staulinger, 860.
ferridana Clemens, 5368 (Archips).
ferridana Walker, 5361 (Archips).
ferridaria Herrich-Schaeffer, 3929 (Plagodis).
ferridaria Hübner, 3911 (Therina).
ferrifactoria Grote, 3430.
fesus Grote, 2567.
festa Guenée, 1063 (Cerma).
festa Hulst, 3735 (Cymatophora).
festa Hy. Edwards, 692 (Dilophonota).
festaliella Hübner, 6178.
festalis Hulst, 4440.
festaria Hulst, 3595.
festusella Clemens, 6391.
festus Fabricius, 2432.
festivoides Guenée, 1136.
festucae Linnaeus, 2479.
festus Hübner, 586.
feudalis Grote, 4421.
fibulata Morrison, 1152 (Hadena).
fibulata Hufnagel, 3463 (Petrophora).
ficulella Barrett, 4876.
ficus Linnaeus, 675.
filelis Grote, 2007.
fidelissimus Herrich-Schaeffer, 3086.
fidella Dietz, 5937.
fidicularia Morrison, 1102.
fidonata Walker, 3604 (Eufidonia).
fidonata Walker, 3803 (Paraphia).
fieldeni McLachlan, 399.
fulvilella Gregson, 4876.
figurata Drury, 892 (Apantesia).
figurata Harvey, 1319 (Homohadena).
fulvia Walker, 3848 (Cleora).
fulvia Smith, 2975 (Egryllon).
fulvus Poey, 447.
fulvicornis Walsingham, 6599.
fulvicornis Dyar, 6599.
filimentaria Guenée, 3939.
filiolella Hulst, 4707.
fimbriatus Denis & Schiffermüller, 4513.
fimbriaria Guenée, 1749.
fimbriata Haworth, 3337.
finetaria Grote, 3601.
finis Smith, 1602.
finitella Walker, 4743.
finitoma Guenée, 1224 (Hadena).
finitima Smith, 2579 (Pleoneoctyp-tera).
ficellaria Guenée, 3910.
fischeri Zeller, 4955.
Fishea
fishiana Fernald, 5321.
fishi Grote, 1440 (Pachnobia).
fishi Fernald, 4961 (Pterophorus).
fiskeana Dyar, 4103.
fissalis Grote, 4418.
fissella Hübner, 5500.
fissinotata Walker, 3647.
fissus Haworth, 5500.
fixtula Harvey, 2061.
flithella Clemens, 6253.
flitha Hy. Edwards, 4194.
flabella Grote, 2546.
flabulis Grote, 1970.
flaccidana Robinson, 5366.

Page.	Page
<i>flagellum</i> Walker, 2491.	<i>flavistriaria</i> Hübner, 2034.
<i>flagiliaria</i> Guenée, 3910.	<i>flavistrigella</i> Walsingham, 6481.
<i>flagrantia</i> Smith, 1364.	<i>flavitibia</i> Walker, 4190.
<i>flagrata</i> Walker 4136.	<i>flavirenata</i> Hulst, 3646.
<i>flumensella</i> Walker 6555.	<i>flavivittana</i> Clemens, 5309.
<i>fluminea</i> Dyar, 826.	<i>flavivittellus</i> Clemens, 5678.
<i>fluminea</i> Neumoegen, 893.	<i>flavocellana</i> Clemens, 5129.
<i>flumensella</i> Chambers, 6555.	<i>flavocostella</i> Clemens, 5655.
<i>fluminiecta</i> Walker 2636.	<i>flavofascialis</i> Grote, 4456.
<i>flumifera</i> Walker, 3383.	<i>flavofasciaria</i> Packard, 3656.
<i>flava</i> Strecker, 83 (<i>Eurema</i>).	<i>flavofasciata</i> Barnston, 657 (<i>Lepis-</i>
<i>flava</i> Kilian, 900 (<i>Parasemia</i>).	esia).
<i>flava</i> Edwards, 38 (<i>Pontia</i>).	<i>flavofasciata</i> Strecker, 2803 (<i>Syn-</i>
<i>flava</i> Grote, 1307 (<i>Pseudanarta</i>).	neda).
<i>flavago</i> Fabricius, 2199.	<i>flavofasciata</i> Grote, 2644 (<i>Tripu-</i>
<i>flavalia</i> Fernald, 4353.	dia).
<i>flavaria</i> Packard, 3440.	<i>flavotincta</i> Cockerell, 72 (<i>Eurymus</i>).
<i>flavata</i> Packard 3440.	<i>flavotincta</i> Smith, 1507 (<i>Noctua</i>).
<i>flavedana</i> Clemens, 5382.	<i>flavula</i> Herrich-Schaeffer, 4107.
<i>flavescens</i> Hulst, 3524.	<i>flexilis</i> Grote, 2816 (<i>Catocala</i>).
<i>flavescutella</i> Haworth, 6520.	<i>flexilis</i> Hulst, 3308 (<i>Tephroclystis</i>).
<i>flavimacula</i> Smith 2034.	<i>flegia</i> Cramer, 4314.
<i>flavibasana</i> Fernald, 5353.	<i>flegialis</i> Poey, 4314 (<i>Paradosis</i>).
<i>flavicoma</i> Goetze, 688.	<i>flegialis</i> Walker, 4448 (<i>Pyrausta</i>).
<i>flavimaria</i> Packard 3693.	<i>fletcherella</i> Fernald, 6016.
<i>flaviciliatus</i> Haworth, 5500.	<i>fletcheri</i> Kemp, 11 (<i>Papilio</i>).
<i>flavicollis</i> Smith, 1531.	<i>fletcheri</i> Grote, 1900 (<i>Xylomiges</i>).
<i>flavicoloralis</i> Grote, 4427.	<i>flexuosa</i> Walker, 968 (<i>Raphia</i>).
<i>flavicornella</i> Ragonot, 4708.	<i>flexuosa</i> Grote, 4105 (<i>Tortricidia</i>).
<i>flavicornis</i> Smith 962.	<i>flexurella</i> Clemens, 5798.
<i>flavicorporella</i> Walsingham, 5797.	<i>floccalis</i> Zeller, 2576.
<i>flavicoxa</i> Smith, 2659.	<i>florosa</i> Graeser, 900.
<i>flavicoxella</i> Fernald, 4538 (<i>Patissa</i>).	<i>florossana</i> Walker 5431.
<i>flavicoxella</i> Walsingham, 5655 (<i>Tri-</i>	<i>flora</i> Edwards, 249 (<i>Chlorippe</i>).
chotaphe).	<i>flora</i> Wright, 49 (<i>Synechloe</i>
<i>flavidalis</i> Grote, 2866 (<i>Catocala</i>).	<i>florea</i> Guenée, 2128 (<i>Rhodophora</i>).
<i>flavidalis</i> Guenée, 4423 (<i>Pyrausta</i>).	<i>florella</i> Cramer, 4284 (<i>Anania</i>).
<i>flavidens</i> Smith, 1585 (<i>Paragrotis</i>).	<i>florella</i> Busck, 5635 (<i>Gnorimo-</i>
<i>flavidens</i> Grote, 1309 (<i>Pseudanarta</i>).	schema).
<i>flavidusimilis</i> Grote, 4326.	<i>florida</i> Hulst, 3726 (<i>Cymatophora</i>).
<i>flavidorsella</i> Ragonot, 4799.	<i>florida</i> Smith, 1869 (<i>Mamestra</i>).
<i>flavifimbriata</i> Warren, 4370.	<i>florida</i> Guenée, 2307 (<i>Rhodo-</i>
<i>flavifrontella</i> Clemens, 6107.	phora).
<i>flavigutta</i> Hulst, 3289.	<i>floridæ</i> Mabille, 470.
<i>flaviguttata</i> Grote, 2603.	<i>floridalis</i> Hulst, 4313 (<i>Agathodes</i>).
<i>flavilinguis</i> Grote, 953.	<i>floridalis</i> Fernald, 4283 (<i>Maras-</i>
<i>flavimaculata</i> Harvey, 1103.	mia).
<i>flarmedia</i> Harvey, 1300.	<i>floridana</i> Zeller, 5250 (<i>Ancyliis</i>).
<i>flarinotalis</i> Grote, 4391.	<i>floridana</i> Hy. Edwards, 3080 (<i>Apa-</i>
<i>flaripennis</i> Grote, 2663.	telodes).
<i>flaripes</i> Hulst, 4191.	<i>floridana</i> Neumoegen, 5482 (<i>At-</i>
<i>flaripunctata</i> Geyer, 3048.	teva).
<i>flaricapula</i> Smith, 1605.	<i>floridana</i> Graef, 3104 (<i>Datana</i>)

	Page.	
<i>funalis</i> Grote, 1599 (Paragrotis).		<i>furfurella</i> Hulst, 4733.
<i>funalis</i> Guenée, 4436 (Pyrausta).		<i>furtivus</i> Smith, 1721.
<i>fumataria</i> Minot, 3862.		<i>furrana</i> Robinson, 5365.
<i>fumiferana</i> Clemens, 5406.		<i>fusca</i> Grote & Robinson, 535 (Euphyes).
<i>fumiferalis</i> Hulst, 4442.		<i>fusca</i> Stretch, 823 (Illice).
<i>fumosa</i> Robinson, 5371 (Archips).		<i>fusca</i> Haworth, 4776 (Laodamia).
<i>fumosa</i> Hulst, 3639 (Deilinia).		<i>fusca</i> Harvey, 3130 (Litodonta).
<i>fumosa</i> Strecker, 862 (Diacrisia).		<i>fusca</i> Packard, 4098 (Packardia).
<i>fumosa</i> Strecker, 65 (Eurymus).		<i>fusca</i> Boisduval, 1557 (Porosagrotis).
<i>fumosa</i> Grote, 1173 (Hadena).		<i>fusca</i> Hy. Edwards, 4119 (Triprocris).
<i>fumosa</i> Strecker, 653 (Hemaris).		<i>fuscalbana</i> Zeller, 5067.
<i>fumosa</i> Butler, 4073 (Hyaloscotes).		<i>fuscalis</i> Hübner, 4358.
<i>fumosa</i> Strecker, 2802 (Syneda).		<i>fuscana</i> Haworth, 5359.
<i>fumosa</i> Hulst, 3295 (Tephroclystis).		<i>fuscaria</i> Thunberg, 3708.
<i>fumosalis</i> Guenée, 4316.		<i>fuscata</i> Hulst, 3501 (Cinglis).
<i>fumosaria</i> Strecker, 3781.		<i>fuscata</i> Hulst, 3975 (Synaxis).
<i>fumosella</i> Hulst, 4858.		<i>fuscatella</i> Hulst, 4843 (Canarsia).
<i>fumosum</i> Morrison, 1049 (Arsilanche).		<i>fuscatella</i> Hulst, 4826 (Zophodia).
<i>fumosus</i> Hulst, 308 (Anosia).		<i>fuscescens</i> Walker, 2547.
<i>funalis</i> Grote, 4329.		<i>fuscicaudis</i> Walker, 656.
<i>funebria</i> Hübner, 1928 (Anarta).		<i>fuscicomella</i> Clemens, 6109.
<i>funebria</i> Strömeyer, 4472 (Pyrausta).		<i>fuscicostellus</i> Zeller, 4601.
<i>funeralis</i> Grote, 1008 (Apatela).		<i>fuscigera</i> Grote, 1682.
<i>funeralis</i> Hübner, 4277 (Desmia).		<i>fuscimacula</i> Grote, 1140.
<i>funeralis</i> Grote, 2709 (Spragueia).		<i>fuscimaculalis</i> Grote, 4427.
<i>funeralis</i> Scudder & Burgess, 634 (Thanaos).		<i>fuscipedella</i> Walsingham, 5914.
<i>funerea</i> Grote, 903.		<i>fuscipes</i> Zeller, 4621 (Argyria).
<i>fungivorella</i> Clemens, 5579.		<i>fuscipes</i> Grote, 813 (Comacla).
<i>fungorum</i> Grote & Robinson, 2208.		<i>fuscipunctella</i> Haworth, 6503.
<i>funiculella</i> Treitschke, 4618.		<i>fuscocapitella</i> Chambers, 6196.
<i>furcata</i> Smith, 2193 (Papaipema).		<i>fuscocostella</i> Chambers, 6258.
<i>furcata</i> Walsingham, 5838 (Stenoma).		<i>fuscocristatella</i> Chambers, 5574 (Leuce).
<i>furcatana</i> Walker, 5342.		<i>fuscocristatella</i> Chambers, 6543 (Pitys).
<i>furcatus</i> Grote, 6610 (Hepialus).		<i>fuscodactyla</i> Haworth, 4992.
<i>furcatus</i> Walsingham, 6577 (Neolophus).		<i>fuscofasciella</i> Ragonot, 4873 (Ephesia).
<i>furcifascia</i> Walker, 3359.		<i>fuscofasciella</i> Chambers, 6475 (Euplocamus).
<i>furcifera</i> Guenée, 994.		<i>fuscolimbellus</i> Ragonot, 4636.1.
<i>furciferata</i> Packard, 3556 (Goniacidalia).		<i>fuscolineana</i> Clemens, 5373.
<i>furciferata</i> Packard, 4025 (Sabulodes).		<i>fuscolinianella</i> Riley, 5776.
<i>furcilla</i> Grote, 2731 (Argillophora).		<i>fuscolotella</i> Ragonot, 4648.
<i>furcilla</i> Packard, 957 (Panthea).		<i>fuscolutea</i> Smith, 1848.
<i>furcillata</i> Say, 218.		<i>fuscoluteella</i> Chambers, 5799.
<i>furcotibiella</i> Riley, 6197.		<i>fuscomaculella</i> Chambers, 5800 (Gelechia).
<i>furcellus</i> Zeller, 4636.4.		<i>fuscomaculella</i> Chambers, 6504 (Tinea).
<i>furfurana</i> Haworth, 5007.		<i>fuscomarginella</i> Chambers, 6437.
<i>furfuraria</i> Hulst, 3843.		
<i>furfurata</i> Grote, 2024.		

	Page.		Page.
<i>fuscocochrella</i> Chambers, 5764 (Gelechia).		<i>gallarandialis</i> Dyar, 4140.	
<i>fuscocochrella</i> Beutenmüller, 6358 (Gracilaria).		<i>gallarsalicana</i> Riley, 5280.	
<i>fuscopallidella</i> Chambers, 5601.		<i>gallarsolidaginis</i> Riley, 5620.	
<i>fuscopulvella</i> Chambers, 5568 (Agnippe).		Galleria	413
<i>fuscopulvella</i> Chambers, 5816 (Gelechia).		Galleriinae	413
<i>fuscopulvella</i> Chambers, 5983 (Holcocera).		<i>gallicana</i> Herrich-Schaeffer, 5169.	
<i>fuscopulvella</i> Chambers, 6505 (Tinea).		<i>gallicolana</i> Clemens, 5316.	
<i>fuscopunctella</i> Clemens, 5801.		<i>gallidiplopappi</i> Fyles, 5621.	
<i>fuscosa</i> Neumoegen, 868.		<i>gallivorana</i> Clemens, 5331.	
<i>fuscoscaphulella</i> Chambers, 6412.		<i>gallivorum</i> Westwood, 4225.	
<i>fuscosparsa</i> Walsingham, 5155.		<i>galva</i> Strecker, 1062.	
<i>fuscotrigana</i> Clemens, 5437.		<i>gamma</i> Linnaeus, 2492.	
<i>fuscotrigella</i> Chambers, 6018 (Coleophora).		<i>gardetta</i> De Loche, 283.	
<i>fuscotrigella</i> Chambers, 5647 (Polymnino).		<i>gargamelle</i> Strecker, 3203.	
<i>fuscossuffusella</i> Dietz, 5955.		<i>garita</i> Reakirt, 479.	
<i>fuscotanniella</i> Chambers, 5776.		<i>garmani</i> Grote, 2044.	
<i>fuscotanniella</i> Riley, 5776.		<i>garzoni</i> Oberthur, 845.	
<i>fuscotibiella</i> Clemens, 6197.		<i>gasta</i> Strecker, 1045.	
<i>fuscula</i> Grote, 4056.		<i>gastropachata</i> Guenée, 4010.	
<i>fusculeta</i> Smith, 1786.		<i>gaudiella</i> Hulst, 4923.	
<i>fuscus</i> Retzius, 4992 (Stenoptilia).		<i>gaultheriella</i> Walsingham, 6291.	
<i>fusifasciata</i> Walker, 3235.		<i>gauræ</i> Smith & Abbot, 660 (Lepise-sia).	
<i>fusimacula</i> Barnes, 148 (Lemonias).		<i>gauræ</i> Smith & Abbot, 2306 (Rhodophora).	
<i>fusimacula</i> Smith, 2287 (Oxycnemis).		<i>gausapalis</i> Hulst, 4572.	
<i>fusimacula</i> Smith, 1739 (Paragrotis).		<i>gausaparia</i> Grote, 3698.	
<i>futilalis</i> Lederer, 4441.		<i>gausapata</i> Grote, 2087.	
<i>futilis</i> Grote & Robinson, 2951.		<i>geddesi</i> Neumoegen, 900.	
<i>gabbi</i> Edwards, 260 (Cercyonis).		<i>geiella</i> Chambers, 6353.	
<i>gabbi</i> Behr, 167 (Lemonias).		<i>gelata</i> Lefèvre, 1233 (Hadena).	
Gaberasa	245	<i>gelata</i> Guenée, 3373 (Mesoleuca).	
Gæa	364	Gelechia	511
Gæides	40	Gelechiidæ	495
<i>gagates</i> Grote, 1608.		<i>gelida</i> Moschler, 883 (Apantesis).	
<i>galactinus</i> Boisduval, 279.		<i>gelida</i> Grote, 3170 (Ellida).	
Galanthia	537	<i>gelida</i> Guenée, 1233 (Hadena).	
Galasa	401	<i>gelida</i> McLachlan, 4444 (Pyrausta).	
<i>galbanaria</i> Hulst, 3952.		<i>gelidalis</i> Walker, 4478.	
<i>galbanata</i> Morrison, 2996.		<i>gelidata</i> Möschler, 3322.	
<i>galbaniata</i> Zeller, 3675.		<i>geliformis</i> Walker, 4247.	
<i>galbina</i> Clemens, 746.		<i>geminana</i> Donovan, 5259.	
Galgula	210	<i>geminata</i> Grote & Robinson, 3237 (Cladora).	
<i>galii</i> Rottensburg, 670.		<i>geminata</i> Packard, 4099 (Packardia).	
<i>gallarasteriella</i> Kellicott, 5621.		<i>geminata</i> Packard, 3294 (Tephroclystis).	
<i>gallargenitella</i> Clemens, 5613.		<i>geminatella</i> Packard, 6387.	
		<i>geminatus</i> Say, 729 (Smerinthus).	
		<i>geminella</i> Riley, 5613.	
		<i>geminipunctella</i> Ragonot, 4734.	
		<i>gemma</i> Hübner, 296.	
		gemmalis Hulst, 5524.	

	Page.		Page.
Haploa	83	<i>haytiellus</i> Zincken, 4596.	
<i>hapsella</i> Hulst, 4778.		<i>hebesana</i> Walker, 5038.	
<i>hariolalis</i> Hulst, 4379.		<i>hebescella</i> Hulst, 4695.	
<i>harpalus</i> Edwards, 489.		<i>hebetella</i> Ragonot, 4910.	
Harpalyce	282	<i>hebitata</i> Hulst, 3657.	
Harpyia	256	<i>hebræa</i> Guenée, 1061.	
<i>harrisii</i> Edwards, 185 (Charidryas).		<i>hebraicum</i> Hübner, 1061.	
<i>harrisii</i> Scudder, 169 (Cinclidia).		<i>hecate</i> Butler, 3359.	
<i>harrisii</i> Walsh, 920 (Halisidota).		<i>hecla</i> Lefèbre, 63.	
<i>harrisii</i> Dyar, 840 (Haploa).		<i>hectoides</i> Boisduval, 6615.	
<i>harrisii</i> Packard, 3141 (Heterocampa).		Hedylepta	376
<i>harrisii</i> Clemens, 725 (Lapara).		<i>hegesia</i> Cramer, 93.	
<i>harrisii</i> Grote, 2175 (Papaipema).		<i>hegon</i> Scudder, 463.	
<i>harrisii</i> Edwards, 206 (Polygonia).		<i>heidemannella</i> Dietz, 5950.	
<i>harrisii</i> Boisduval, 902 (Pygoctnu- cha).		<i>heiligbrodtii</i> Harvey, 775.	
Harrisimemna	105	<i>hela</i> Strecker, 63.	
Harrisina	360	<i>helcita</i> Boisduval, 166 (Lemonias).	
<i>hartfordii</i> Hy. Edwards, 67.		<i>helcita</i> Hübner, 298 (Neonympha).	
<i>hartii</i> French, 3035.		<i>helcitalis</i> Walker, 4306.	
<i>hartmanni</i> French, 2129.		<i>helena</i> Edwards, 135 (Brenthis).	
<i>hartmanniana</i> Clemens, 5035.		<i>helena</i> Hulst, 3701 (Cymatophora).	
<i>haruspica</i> Grote, 1493 (Noctua).		<i>helena</i> Edwards, 74 (Eurymus).	
<i>haruspica</i> Grote & Robinson, 4450 (Pyrausta).		<i>helena</i> Reakirt, 60 (Zerene).	
<i>harveiana</i> Packard, 3260.		<i>helene</i> Pilate, 2888.	
Harveya	233	Heliaca	194
<i>harveyana</i> Grote, 1001 (Apatela).		Heliades	400
<i>harveyana</i> Grote, 4401 (Phlyctæ- nia).		<i>helianthana</i> Riley, 5186.	
<i>harveyi</i> Grote, 1963.		<i>helianthi</i> Walsingham, 4967 (Pte- rophorus).	
<i>hasdrubal</i> Stoll, 685.		<i>helianthi</i> Hy. Edwards, 4242 (Se- sia).	
<i>hast</i> Guenée, 985.		<i>helianthi</i> Frey & Boll, 6439 (Tische- ria).	
<i>hastata</i> Linnæus, 3359.		<i>helianthiales</i> Murtfeldt, 4397.	
<i>hastiana</i> Linnæus, 5309.		<i>helianthisella</i> Chambers, 6320.	
<i>hastiferella</i> Walker, 4807 (Etiella).		<i>helianthivorella</i> Chambers, 6320.	
<i>hastiferellus</i> Walker, 4558 (Cram- bus).		Helice	500
<i>hastingsii</i> Hy. Edwards, 2792.		Heliconidæ	32
<i>hastulata</i> Guenée, 3359 (Rheumap- tera).		Heliocheilus	185
<i>hastulata</i> Hübner, 3359 (Rheumap- tera).		Heliodes	193
<i>hastulifera</i> Smith & Abbot, 973.		Heliodines	537
<i>hausta</i> Grote, 1159.		Heliodora	187
<i>haustellata</i> Walsingham, 5843.		Heliolonche	193
<i>havilæ</i> Grote, 1500.		Heliomata	304
<i>haydenata</i> Packard, 3800.		<i>heliopalis</i> Clemens, 4497.	
<i>haydenella</i> Chambers, 5931.		Heliopetes	61
<i>haydenii</i> Edwards, 285.		Heliophana	193
<i>hayesi</i> Grote, 1324.		Heliophila	161
<i>hayhurstii</i> Edwards, 609.		<i>heliopsiella</i> Chambers, 6444.	
		<i>helios</i> Edwards, 413.	
		Helioscota	113
		Helioseia	193
		<i>heliothidata</i> Guenée, 3651.	

	Page.		Page.
Heliothis	185	<i>hermes</i> Edwards, 388.	
Heliotropha	123	<i>hermia</i> Hy. Edwards, 2853.	
Heliozela	538	<i>herminiata</i> Guenée, 3225.	
<i>heliusalis</i> Walker, 3048.		<i>herminioides</i> Walker, 3009.	
<i>helloides</i> Boisduval, 396.		<i>hermodur</i> Hy. Edwards, 2.	
Hellula	379	<i>hero</i> Morrison, 1460 (Agrotis).	
<i>helva</i> Grote & Robinson, 2230.		<i>hero</i> Hy. Edwards, 2898 (Catocala).	
<i>helvalis</i> Walker, 4412.		<i>herodias</i> Strecker, 2864.	
<i>helvia</i> Scudder, 160.		<i>herrii</i> Grinnell, 441.	
<i>helvialis</i> Walker, 4351.		<i>hersilia</i> Cramer, 54.	
<i>helviolaria</i> Hulst, 3892.		<i>hersiliata</i> Guenée, 3383.	
<i>helvolalis</i> Maassen, 4342.		Hesperia	61
Hemaris	62	<i>hesperida</i> Smith, 974.	
Hemerocampa	259	<i>hesperidella</i> Hübner, 5504.	
Hemerophila	494	<i>hesperidis</i> Haworth, 5504.	
Hemiargus	45	Hesperiidæ	47
Hemiceras	257	<i>hesperis</i> Edwards, 107.	
<i>hemidesma</i> Zeller, 5041.		Hesperumia	320
Hemihyalea	94	<i>hesus</i> Westwood & Hewitson, 587.	
Hemileuca	74	Heterocampa	253
Hemimene	470	<i>heterodora</i> Smith, 1974.	
<i>hemina</i> Grote, 2086.		Heterogenea	357
<i>hemiochrellus</i> Zeller, 4602.		Heterogramma	245
<i>hemizonæ</i> Hy. Edwards, 4203.		Heterographis	432
Hendecastema	485	<i>heteronea</i> Boisduval, 404.	
<i>henrici</i> Grote, 1049 (Arsilonche).		Heteropacha	263
<i>henrici</i> Grote, 4156 (Hypopta).		Heterophleps	269
<i>henrici</i> Grote & Robinson, 376 (Incisalia).		Heteropia	57
<i>henrietta</i> Grote, 2304 (Derrima).		<i>heterotereæ</i> Frey & Boll, 6443.	
<i>henrietta</i> Smith, 1729 (Paragrotis).		<i>heucheræ</i> Hy. Edwards, 4259.	
<i>henshawi</i> Edwards, 297 (Neonympha).		<i>hexadactyla</i> Linnæus, 4997.	
<i>henshawi</i> Hy. Edwards, 4215 (Sesia).		<i>hexaspilata</i> Walker, 3262.	
Heodes	41	<i>hexastylus</i> Harvey, 2923.	
<i>hepara</i> Grote, 2618.		Hexeris	361
<i>hepaticaria</i> Guenée, 3494.		<i>hianna</i> Scudder, 543.	
Hepialidæ	580	Hibernia	330
Hepialus	580	<i>hibiscella</i> Busck, 5739.	
<i>heptathalama</i> Busck, 6169.		<i>hibisci</i> Guenée, 2040.	
<i>hera</i> Harris, 766.		<i>hiemalis</i> Grote, 1891.	
<i>heraclei</i> Retzius, 5889.		<i>hieroglyphica</i> Hübner, 2432.	
<i>heracliana</i> De Geer, 5889.		<i>hilarella</i> Zeller, 5882.	
<i>heraldella</i> Guenée, 4807.		<i>hilaripennella</i> Treitschke, 6372.	
<i>herbacea</i> Guenée, 1415.		<i>hilaris</i> Fourcroy, 4141.	
<i>herbarum</i> Guenée, 2941.		<i>hilda</i> Quensel, 295.	
<i>herbicola</i> Boisduval, 2932.		Hillia	113
<i>herbicolata</i> Hulst, 3399.		<i>hilliana</i> Harvey, 1486.	
<i>herbimacula</i> Guenée, 1829.		<i>hilliata</i> Hulst, 3523.	
Herculia	399	<i>hillii</i> Grote, 2830 (Catocala).	
<i>herilis</i> Grote, 1540.		<i>hillii</i> Grote, 1153 (Hadena).	
<i>hermannella</i> Fabricius, 5573.		<i>hillii</i> Lintner, 2912 (Hypocala).	
		<i>hilumnaria</i> Hulst, 3940.	
		165

	Page.	
<i>hinda</i> French, 2866.		Hörisma
<i>hinna</i> Geyer, 2963.		Hormisa
<i>hipeana</i> Grote, 5083.		<i>hormos</i> Hübner, 2741.
<i>hippalus</i> Edwards, 596.		Hormoschista
Hipparchiscus	302	Hornigia
Hippia	253	<i>horrida</i> Hübner, 2977.
<i>hippolyta</i> Edwards, 103 (<i>Argynnis</i>).		<i>hortaria</i> Fabricius, 3864.
<i>hippolyta</i> Hy. Edwards, 2834 (<i>Cato-</i>		<i>hortensis</i> Blanchard, 93.
<i>cala</i>).		<i>hortuellus</i> Hübner, 4579.
<i>hippolyta</i> Lyman, 217 (<i>Euvanessa</i>).		<i>hortulana</i> Morrison, 1547.
<i>hircina</i> Morrison, 2256.		<i>horus</i> Edwards, 540.
<i>hircinalis</i> Grote, 4443.		<i>hospes</i> Walsingham, 5455.
<i>hirsutana</i> Walsingham, 5132.		<i>hospita</i> Denis & Schiffermüller, 90.
<i>hirtalis</i> Guenée, 4341.		<i>hospitalis</i> Grote, 1482.
<i>hirtella</i> Grote & Robinson, 2322.		<i>hospitella</i> Zeller, 4884.
<i>hirtipes</i> Grote, 1994.		<i>hostia</i> Harvey, 2559.
<i>historialis</i> Grote, 2582.		<i>houstonana</i> Grote, 5398.
Historis	27	<i>howardi</i> Hy. Edwards, 2446 (<i>Basi-</i>
<i>histris</i> Grote, 2551.		<i>lodes</i>).
<i>hobomok</i> Harris, 484.		<i>howardi</i> Hy. Edwards, 3085 (<i>Da-</i>
<i>hochenwarthi</i> Hochenwarth, 2534.		<i>ritis</i>).
<i>hoffmani</i> Strecker, 259.		<i>howardi</i> Dyar, 3206 (<i>Gloveria</i>).
<i>hoffmanni</i> Behr, 166.		<i>howardi</i> Skinner, 568 (<i>Phycanassa</i>).
Holcocera	259	<i>howlandii</i> Grote, 2795.
<i>hollandaria</i> Hulst, 3573.		<i>hoji</i> Grote, 4040.
<i>hollandii</i> Edwards, 17.		<i>hualapai</i> Neumoegen, 763.
<i>hollemani</i> Grote, 1593.		<i>hubbardi</i> Dyar, 816 (<i>Bruceia</i>).
<i>holoberba</i> Smith, 1689.		<i>hubbardi</i> Dyar, 775 (<i>Syssphinx</i>).
Holochroa	323	<i>hübneraria</i> Guenée, 4001.
<i>holocinerea</i> Smith, 2103.		<i>hübnerata</i> Packard, 4001.
Homaledra	543	<i>hübneri</i> Plotz, 566.
Homochlodes	316	<i>hudsoniana</i> Walker, 5309.
Homochroa	380	<i>hudsonica</i> Hy. Edwards, 952 (<i>Aly-</i>
<i>homodactylus</i> Walker, 4962.		<i>pia</i>).
Homœosoma	434	<i>hudsonica</i> Grote & Robinson, 279.
<i>homogena</i> Grote, 1335.		(<i>Syneda</i>).
Homoglæa	182	<i>hugo</i> Doubleday & Hewitson, 333.
Homohadena	124	<i>hugon</i> Godart, 333.
Homophoberia	233	<i>hulda</i> Edwards, 38.
Homophysa	371	Hulstea
Homopryalis	218	<i>hulstellus</i> Beutenmüller, 6587 (<i>Acro-</i>
Homoptera	239	<i>lophus</i>).
<i>homopteroides</i> Hulst, 3832.		<i>hulstellus</i> Fernald, 4593 (<i>Crambus</i>).
Homosassa	440	<i>hulstia</i> Tepper, 2326.
<i>homuraria</i> Grote, 3941.		<i>hulstiana</i> Dyar, 3576.
<i>honesta</i> Walker, 2202 (<i>Jodia</i>).		<i>hulstiella</i> Ragonot, 4810.
<i>honesta</i> Grote, 2405 (<i>Melicleptria</i>).		<i>hulstii</i> Edwards, 241 (<i>Basilarchia</i>).
<i>honestaria</i> Walker, 4001.		<i>hulstii</i> Grote, 1223 (<i>Hadena</i>).
Honora	432	<i>hulstii</i> Cockerell, 4842 (<i>Lætilia</i>).
<i>hopfferi</i> Grote & Robinson, 3087.		<i>humarium</i> Guenée, 3838.
Horama	77	<i>humeralis</i> Walker, 3886.
<i>horariana</i> Walsingham, 5414.		<i>humerella</i> Ragonot, 4662.
<i>horatius</i> Scudder & Burgess, 627.		<i>humerosana</i> Clemens, 5429.

	Page.		Page.
<i>humilalis</i> Lederer, 4410.		Hyparpax	256
<i>humilis</i> Walsingham, 6479 (<i>Incur-</i>		<i>hypatialis</i> Walker, 4401.	
<i>varia</i>).		Hypatima	528
<i>humilis</i> Ragonot, 4804 (<i>Lipogra-</i>		Hypatus	34
<i>phis</i>).		Hypaurotis	35
<i>humilis</i> Walker, 3151 (<i>Schizukra</i>).		Hypena	247
<i>humilis</i> Zeller, 5836 (<i>Stenoma</i>).		Hypeninae	240
<i>humuli</i> Harris, 3080 (<i>Hypena</i>).		Hypenula	243
<i>humuli</i> Harris, 335 (<i>Uranotes</i>).		Hypepirritis	273
<i>huntera</i> Fabricius, 220.		Hyperaeschra	251
<i>hunteri</i> Hübner, 220.		<i>hyperbola</i> Slosson, 734.	
<i>huron</i> Edwards, 512.		<i>hyperborea</i> Curtis, 870 (<i>Hypho-</i>	
<i>huronalis</i> Guenée, 4340.		<i>raia</i>).	
Hysale	505	<i>hyperborea</i> Hulst, 3241 (<i>Rachela</i>).	
<i>hyalina</i> Hulst, 3250 (<i>Eudule</i>).		<i>hyperborea</i> Hulst, 4012 (<i>Tetracis</i>).	
<i>hyalinata</i> Linnæus, 4320.		<i>hyperborealis</i> Möschler, 4404.	
<i>hyalinatalis</i> Guenée, 4320.		<i>hyperboreata</i> Staudinger, 3273.	
<i>hyalinopuncta</i> Packard, 3091.		<i>hyperboreus</i> Möschler, 6608 (<i>Hepi-</i>	
<i>hyalinus</i> Walsh, 4089 (<i>Phobetron</i>).		<i>alus</i>).	
Hyaloscotes	354	<i>hyperici</i> Hy. Edwards, 4201 (<i>Sesia</i>).	
Hyamia	218	<i>hyperici</i> Boisduval & Le Conte, 335	
<i>hyantis</i> Edwards, 44.		(<i>Uranotes</i>).	
Hybernia	330	Hyperitis	337
Hyblæa	219	Hyperythra	344
Hyboma	99	Hyphantria	86
<i>hybrida</i> Fabricius, 2952 (<i>Ophide-</i>		Hyphoraia	88
<i>res</i>).		Hypocala	232
<i>hybrida</i> Butler, 836 (<i>Utetheisa</i>).		<i>hypocastrina</i> Poda, 4141.	
<i>hybridalis</i> Hübner, 4342.		Hypochalcia	428
Hybroma	574	<i>hypochalciella</i> Ragonot, 4737.	
<i>hybromella</i> Chambers, 6545.		<i>hypochraria</i> Herrich-Schaeffer,	
<i>hydaspe</i> Boisduval, 109.		3941.	
<i>hydrangiella</i> Chambers, 6123.		Hypoclopus	577
Hydria	276	Hypocrisias	94
Hydriomena	282	Hypogramma	222
Hydriomeninae	266	Hypolais	386
Hydriris	373	<i>hyponomeutana</i> Walsingham, 5156.	
Hydrocampa	395	Hypopacha	262
Hydroelia	275	<i>hypophleas</i> Boisduval, 399.	
<i>hydromeli</i> Harvey, 3130.		Hypoprepia	80
<i>hyemalis</i> Stretch, 4047.		Hypopta	363
<i>hygiæa</i> Heydenreich, 217.		Hyppa	121
Hylæa	334	Hypsopygia	398
<i>hylaæus</i> Drury, 719.		Hypsoridra	344
<i>hylas</i> Edwards, 208.		Hypsoropha	219
<i>hylax</i> Edwards, 479.		Hypsotropa	439
Hylephila	51	Hyria	295
Hylesia	75	Hysterosia	4
<i>hyllalis</i> Walker, 4513.		Hystericophora	
<i>hylotomiformis</i> Walker, 4197.		<i>hystericulella</i> Hulst, 4682.	
Hymenia	373	Ianassa	
<i>hypathrata</i> Grote, 3674.		<i>ianthe</i> Edwards, 395.	
Hypanartia	24	<i>iaspis</i> Guenée, 1067.	

	Page.	
<i>icarioides</i> Boisduval, 408.		<i>illudens</i> Walker, 967.
<i>icciusalis</i> Walker, 4487.		<i>illustraria</i> Hulst, 3600.
<i>icelus</i> Lintner, 618.		<i>illuviellum</i> Ragonot, 4867.
<i>iceryxella</i> Riley, 5974.		<i>imbraria</i> Guenée, 4007.
<i>ida</i> Hulst, 3762.		<i>imbrifera</i> Guenée, 1774.
<i>idæusalis</i> Smith, 3075 (Bomolo- cha).		<i>imbutata</i> Hübner, 3259.
<i>idæusalis</i> Walker, 3078. 1 (Bomo- locha).		<i>imitata</i> Walker, 3797 (Alcis).
<i>idaho</i> Edwards, 487.		<i>imitata</i> Strecker, 170 (Cinclidia).
<i>idahoensis</i> Grote, 1720.		<i>imitata</i> Hy. Edwards, 4013 (Sabu- lodes).
<i>idalia</i> Drury, 95.		<i>imitata</i> Hy. Edwards, 4207 (Sesia).
<i>idalis</i> Fernald, 4627.		<i>imitatorella</i> Chambers, 6508.
<i>idas</i> Cramer, 589.		<i>imitella</i> Stretch, 2719.
Idæ 519		<i>immaculalis</i> Harvey, 2583 (Pleonec- typtera).
<i>ideata</i> Walker, 3463.		<i>immaculalis</i> Hulst, 2565 (Reabotis).
Idioglossa 539		<i>immaculata</i> Jewett, 772 (Adelo- cephala).
Idiographis 499		<i>immaculata</i> Grote, 2270 (Cea).
Idiostoma 539		<i>immaculata</i> Reakirt, 833 (Euba- phe).
<i>idonea</i> Grote, 1243.		<i>immaculata</i> Graef, 936 (Eupseudoc- soma).
<i>iduata</i> Guenée, 3463.		<i>immaculata</i> Morrison, 2233 (Ortho- sia).
<i>iduna</i> Edwards, 290.		<i>immaculata</i> Skinner & Aaron, 4 (Pontia).
<i>ignea</i> Grote, 2533.		<i>immaculata</i> Skinner, 3443 (Pschy- cophora).
<i>ignidorsella</i> Ragonot, 4863.		<i>immaculatella</i> Chambers, 6239 (Buc- culatrix).
<i>igninix</i> Walker, 5480.		<i>immaculatella</i> Chambers, 611 (Scythris).
<i>ignobilisella</i> Chambers, 6161.		<i>immanata</i> Haworth, 3380.
<i>ignota</i> Frey & Boll, 6320.		<i>immanis</i> Grote, 2165.
<i>ignotaria</i> Walker, 3479.		<i>immediata</i> Grote, 3404.
<i>ilaire</i> Godart, 30.		<i>immerens</i> Harvey, 4395.
<i>ilavia</i> Beutenmüller, 361.		<i>immersata</i> Walker, 3748.
<i>ilia</i> Cramer, 2865.		<i>immixta</i> Grote, 1523.
<i>ilioneus</i> Smith & Abbot, 13.		<i>immixtalus</i> Grote, 4400.
<i>illabefacta</i> Morrison, 1823.		<i>immortua</i> Grote, 2395.
<i>illapsa</i> Walker, 1514.		<i>immundella</i> Hulst, 4676.
<i>illata</i> Walker, 1719.		<i>imora</i> Strecker, 2004.
<i>illaudabilis</i> Grote, 1837.		<i>imparata</i> Walker, 3477.
<i>illaudatum</i> Walker, 3838.		<i>impartialis</i> Harvey, 2956.
<i>illecta</i> Walker, 2881.		<i>impauperata</i> Walker, 3439 (Gypso- chroa).
<i>illepida</i> Grote, 1267.		<i>impauperata</i> Walker, 3513 (Lep- toomeris).
<i>illibalis</i> Hübner, 4437.		<i>impecuniosa</i> Grote, 2188.
<i>illibella</i> Hulst, 4924.		<i>imperator</i> Strecker, 728.
Illice 81		<i>imperatoria</i> Smith & Abbot, 778.
<i>illicitella</i> Clemens, 6081.		
<i>illinois</i> Dodge, 555.		
<i>illinoisensis</i> French, 2225.		
<i>illita</i> Smith, 1040.		
<i>illiterata</i> Grote, 2225.		
<i>illiturata</i> Walker, 4027.		
<i>illiturbata</i> Guenée, 4027.		
<i>illocata</i> Walker, 1277 (Dryobota).		
<i>illocata</i> Hulst, 3451 (Petrophora).		
<i>illotana</i> Walsingham, 5138.		

imperfecta Smith, 1981 (Heliophila).
imperfecta Hy. Edwards, 4228 (Sesia).
imperfectaria Walker, 3858.
imperialis Drury, 778.
imperita Hübner, 1421.
imperspicua Strecker, 2362.
impigritella Clemens, 5513.
impingens Walker, 1936.
impleta Walker, 1039 (Apatela).
impleta Walker, 3327 (Eucymatoge).
impletella Zeller, 4832.
implexana Walker, 5310.
implicata Guenée, 3375 (Mesoleuca).
implicata Villiers, 3459 (Petrophora).
implicata Walker, 3271 (Tephroclystis).
implora Grote, 2620.
implorata Hulst, 3318.
impluviata Borkhausen, 3337 (Epirrita).
impluviata Denis & Schiffermüller, 3388 (Hydriomena).
impolita Morrison, 1852.
impositella Zeller, 6110.
impressa Walker, 1031.
impressale Hulst, 4864.
improba Butler, 140.
improbana Walker, 5133.
impropria Hy. Edwards, 4203.
impropriata Walker, 3803.
improvisa Hy. Edwards, 3184.
impudens Walsingham, 5073.
impulsa Guenée, 1231.
inæqualiata Packard, 3253.
inæquepulvella Chambers, 5667.
inamoenella Zeller, 6550.
inana Robinson, 5309.
inaptata Walker, 3700.
inatomaria Guenée, 3981.
inca Dyar, 1072.
incallida Smith, 1660 (Paragrotis).
incallida Walker, 1212 (Hadena).
incana Hy. Edwards, 1082 (Acopa).
incana Edwards, 258 (Cercyonis).
incanana Clemens, 5228.
incandescens Grote, 2778.
incanella Hulst, 4797 (Epischnia).
incanella Walsingham, 6272 (Lithocolletes).
incarcerata Boisduval, 3092.

Page.

incarnana Haworth, 5220.
incarnata Walker, 901.
incarnatorubra Goeze, 882.
incautellus Zeller, 4781.
incensalis Lederer, 4414.
inceptaria Walker, 3703.
incertana Clemens, 5421.
incertata Walker, 3568.
incertella Chambers, 6471 (Acrolepia).
incertella Zincken, 4550 (Mesolia).
incincta Morrison, 2018.
incisa Harvey, 4078.
Incisalia 39
Incita 208
incisus Guenée, 1468.
inclara Smith, 1026 (Apatela).
inclara Strecker, 2369 (Schinia).
inclinana Zeller, 5142.
inclinatoria Walker, 3331.
includens Walker, 2487 (Auto-grapha).
includens Walker, 2617 (Erastria).
inclusa Hübner, 3094.
inclusaria Walker, 3521 (Eois).
inclusaria Walker, 3571 (Racheospila).
incognita Smith, 1764.
incoloraria Walker, 3619.
incomitata Harvey, 1316.
incompleta Butler, 895.
inconcinna Harvey, 1521 (Chorizagrotis).
inconcinna Smith, 1913 (Scotogramma).
inconcinna Lederer, 4440.
inconclusana Walker, 5402.
inconditana Walsingham, 5351.
inconditella Ragonot, 4759.
inconditus Walsingham, 4975.
incongruaria Hulst, 3987 (Metanema).
incongruella Hulst, 4893 (Urula).
inconspicua Hulst, 3263 (Chloroclystis).
inconspicua Smith, 1154 (Hadena).
inconspicua Grote, 2062 (Tricholita).
inconspicualis Grote, 3028.
inconspicue Murtfeldt, 5617.
inconstans Geyer, 3435 (Emplocis).
inconstans Stainton, 6354 (Gria).

Page.

	Page.	
<i>inconstans</i> Grote, 1318 (Homohadena).		<i>indistinctalis</i> Warren, 4408 (Phlyctenia).
<i>inconstans</i> Guenée, 2764 (Panula).		<i>indivialis</i> Grote, 3055.
<i>incopriaria</i> Hulst, 3820.		<i>indivisa</i> Walker 5417
<i>incopularia</i> Guenée, 4006.		<i>indoculus</i> Walker, 1217
<i>incorrupta</i> Hy. Edwards, 888.		<i>indoctaria</i> Walker 3493.
<i>incoruscella</i> Hulst, 4787.		<i>indoctrinata</i> Walker, 3327.
<i>increta</i> Morrison, 1023.		<i>indotatellus</i> Walker, 4359.
<i>incrudalis</i> Hulst, 4641.		<i>indra</i> Reakirt, 20.
<i>incubita</i> Smith, 1650.		<i>indubitata</i> Grote, 3417
<i>incultu</i> Hy. Edwards, 180.		<i>inductu</i> Walker 1649.
<i>incursaria</i> Herrich-Schaeffer, 3449.		<i>inductula</i> Guenée, 3546.
<i>incursata</i> Hübner 3449.		<i>indurata</i> Smith, 1903.
<i>incurva</i> Hy. Edwards, 3215 (Malacosoma).		<i>induta</i> Harvey 1315.
<i>incurva</i> Smith, 1834 (Mamestra).		<i>ineffusaria</i> Guenée, 4007.
<i>Incurvaria</i>	569	<i>inelegans</i> Smith, 1402.
<i>incurvata</i> Guenée, 4026.		<i>inepta</i> Hy. Edwards, 2745.
<i>incusalis</i> Grote, 2580.		<i>inermis</i> Harris, 1467
<i>indeclinata</i> Walker, 3941.		<i>ines</i> Edwards, 369.
<i>indecorana</i> Zetterstedt, 5299.		<i>inervata</i> Walker 2950.
<i>indentulis</i> Grote, 4361.		<i>inexpertana</i> Walker, 5038.
<i>indentata</i> Packard, 3092 (Melalopha).		<i>inextricata</i> Walker, 3614 (McIlilla)
<i>indentata</i> Harvey, 2923 (Remigia).		<i>inextricata</i> Walker, 1649 (Paragrotis).
<i>indetermina</i> Boisduval, 4079.		<i>infans</i> Möschler, 4037.
<i>indeterminata</i> Walker, 1413 (Adelphagrotis)		<i>infausta</i> Walker, 1702.
<i>indeterminata</i> Walker, 3141 (Heterocampa).		<i>infesta</i> Walker 1829.
<i>indiana</i> Grote, 3122.		<i>infictata</i> Walker 3668.
<i>indicans</i> Walker, 1837.		<i>infelix</i> Smith, 1726 (Paragrotis).
<i>indicata</i> Fabricius, 4299.		<i>infelix</i> Guenée, 1118 (Perigea).
<i>indicatulus</i> Walker, 4807.		<i>infensata</i> Guenée, 4005.
<i>indictaria</i> Walker, 3848.		<i>inferior</i> Grote, 3050 (Bleptina).
<i>indigenella</i> Zeller, 4704.		<i>inferior</i> Hulst, 3264 (Gymnocelis)
<i>indigena</i> Walker 088.		<i>inferior</i> Smith, 2048 (Stretchia).
<i>indigna</i> Walker, 2498.		<i>infernalis</i> Strecker, 776.
<i>indirecta</i> Grote, 1157 (Hadena).		<i>inficta</i> Walker, 2551.
<i>indirecta</i> Walker, 1649 (Paragrotis).		<i>infidelis</i> Grote, 1886.
<i>indirecta</i> Walker, 2236 (Scopelosoma).		<i>infimalis</i> Guenée, 4317.
<i>indiscreta</i> Hy. Edwards, 2916.		<i>infimata</i> Guenée, 3668.
<i>indiscretata</i> Hy. Edwards, 3938.		<i>infimatis</i> Grote, 1450.
<i>indiscriminaria</i> Walker, 3561.		<i>infimella</i> Ragonot, 4881.
<i>indistincta</i> Hy. Edwards, 3091		<i>infirma</i> Hy. Edwards, 4207.
<i>Apatelodes</i>		<i>infirma</i> Walker, 1313.
<i>indistincta</i> Hulst, 3447 (Ersephila).		<i>infisaria</i> Walker, 3860.
<i>indistincta</i> Smith, 1279 (Hypsa).		<i>inflatella</i> Clemens, 5519.
<i>indistinctalis</i> Walker, 4342 (Noma- phila).		<i>inflata</i> Morrison 1304.
		<i>infra</i> Morrison, 1624.
		<i>infrequentata</i> Haworth, 3373.
		<i>infructuosa</i> Walke 1890.
		<i>insulata</i> Grote, 3611.
		<i>infumata</i> Grote, 2217.
		<i>infumatana</i> Zeller, 5358.

	Page.		Page.
<i>infumataria</i> Grote, 3816.		<i>inornata</i> Grote, 2269 (Trichocosmia).	
<i>infusa</i> Smith, 1725.		<i>inornatalis</i> Walker, 4352 (Loxostege).	
<i>infusca</i> Walsingham, 5195.		<i>inornatalis</i> Fernald, 4461 (Pyrausta).	
<i>infuscata</i> Tengström, 3379 (Meso-leuca).		<i>inornatana</i> Clemens, 5024.	
<i>infuscata</i> Smith, 1908 (Scotogramma).		<i>inornatella</i> Chambers, 6022 (Coleophora).	
<i>infuscatella</i> Clemens, 6021.		<i>inornatella</i> Chambers, 6082 (Elachista).	
<i>ingeniculata</i> Smith, 1456 (Agrotis).		<i>inornatella</i> Chambers, 6181 (Eulyonetia).	
<i>ingeniculata</i> Morrison, 2791 (Syneda).		<i>inornatella</i> Hulst, 4834 (Euzophera).	
<i>ingenita</i> Hy. Edwards, 4113.		<i>inornatella</i> Chambers, 6372 (Gracilaria).	
<i>ingens</i> Hy. Edwards, 932.		<i>inornatellus</i> Clemens, 4580 (Crambus).	
<i>ingenua</i> Walker, 2915.		<i>inornatellus</i> Walker, 4610 (Crambus).	
<i>ingrata</i> Felder, 82.		<i>inotabilis</i> Grote, 1413.	
<i>ingravis</i> Smith, 1798.		<i>inquadrana</i> Walsingham, 5008.	
<i>inguinalis</i> Guenée, 4294.		<i>inquarsita</i> Grote & Robinson, 2172.	
Ingura 203		<i>inquietana</i> Walker, 5074.	
Inguromorpha 363		<i>inquilinella</i> Ragonot, 4740.	
<i>inimicella</i> Zeller, 5078.		<i>inquinaria</i> Hulst, 3733.	
<i>innexa</i> Grote, 1843.		<i>inquinata</i> Guenée, 2155 (Nongria).	
<i>innocuella</i> Zeller, 5701.		<i>inquinatalis</i> Zeller, 4403.	
<i>innominata</i> Smith, 2095.		<i>inquinatus</i> Zeller, 4990 (Pterophorus).	
<i>innotata</i> Guenée, 988.		<i>insciens</i> Walker, 2040.	
<i>innotatellus</i> Walker, 4580.		<i>inscripta</i> Walsingham, 5615 (Paralechia).	
<i>innubens</i> Guenée, 2866.		<i>inscriptata</i> Donovan, 3337.	
<i>inopiana</i> Haworth, 5472.		<i>inscriptum</i> Harris, 669 (Deidamia).	
<i>inopinatus</i> Hy. Edwards, 907 (Am-malo).		<i>insequalis</i> Guenée, 4454.	
<i>inopinatus</i> Smith, 1494 (Noctua).		<i>inserrata</i> Walsingham, 5656.	
<i>inops</i> Grote, 2224.		<i>insertans</i> Smith, 1576.	
<i>inordinaria</i> Walker, 3647.		<i>insignata</i> Cotes & Swinhoe, 1103 (Caradrina).	
<i>inordinata</i> Morrison, 1252.		<i>insignata</i> Walker, 1227 (Hadena).	
<i>inornata</i> Edwards, 125 (Argynnis).		<i>insignata</i> Walker, 1707 (Paragrotis).	
<i>inornata</i> Edwards, 284 (Coenonympha).		<i>insignatilis</i> Guenée, 4448.	
<i>inornata</i> Grote, 2696 (Fruva).		<i>insignis</i> Walsingham, 6255 (Lithocolletes).	
<i>inornata</i> Beutenmüller, 3191 (Hemerocampa).		<i>insignis</i> Frey & Boll, 6428 (Phyllocnistis).	
<i>inornata</i> Neumoegen, 3093 (Melalopha).		<i>insignis</i> Walker, 2464 (Plusiodonta).	
<i>inornata</i> Grote, 1295 (Pyrophila).		<i>insignisella</i> Walker, 6495.	
<i>inornata</i> Walsingham, 5895 (Semi-oscopis).		<i>insignitalis</i> Guenée, 4448.	
<i>inornata</i> Grote & Robinson, 4087 (Sisyrosea).		<i>insinuaria</i> Guenée, 3934.	
<i>inornata</i> Hulst, 3895 (Stergamma-tæa).			
<i>inornata</i> Hulst, 3281 (Tephroclystis).			
<i>inornata</i> Grote & Robinson, 347 (Thecla).			

Page.

insipida Strecker, 1108.

insita Walker, 979.

insiticiana Zeller, 5287.

insolabilis Guenée, 2821 (*Catocala*).

insolabilis Hulst, 3283 (*Tephroclystis*).

insolens Grote, 1777.

insolita Grote, 1043 (*Apatela*).

insolita Smith, 2491 (*Autographa*).

insolita Lintner, 707 (*Sphinx*).

insperata Grote, 2748.

inspergella Ragonot, 4925.

instabilella Mann, 5490.

instabilis Fitch, 2040.

instrutana Claypole, 5232 (*Epinotia*).

instrutana Clemens, 5064 (*Olethreutes*).

insueta Guenée, 1975.

insularia Guenée, 3477.

insularis Grote, 1405 (*Rhynchagrotis*).

insularis Vollenhoven, 736 (*Philosamia*).

insulata Walker, 906.

insulidens Bird, 2190.1.

insulsa Walker, 1103 (*Caradrina*).

insulsa Walker, 1707 (*Paragrotis*).

intactana Walsingham, 5444.

integerrima Walker, 2957 (*Campometra*).

integerrima Grote & Robinson, 3108 (*Datana*).

integerrima Harris, 733 (*Paonia*).

integra Zeller, 4484.

integraria Walker, 3636.

intenta Walker, 2992.

intentata Walker, 3623 (*Deilinia*).

intentata Smith, 1860 (*Mamestra*).

intercalcaris Grote, 2762.

interior Scudder, 71.

interjacens Grote, 2301.

interjecta Dyar, 4077.

interlinearia Guenée, 4007.

intermedia Stretch, 877 (*Apantesia*).

intermedia Speyer, 2132 (*Cucullia*).

intermedia Strecker, 440 (*Cyaniris*).

intermedia Kirby, 670 (*Deilephila*).

intermedia Graef, 829 (*Eubaphe*).

intermedia Cockerell, 65 (*Eurymus*).

intermedia Fitch, 3190 (*Hemerocampa*).

intermedia Frey & Boll, 6301 (*Lithocolletes*).

intermedia Butler, 836 (*Utetheisa*).

intermedialis Walker, 4520.

intermediata Guenée, 3376.

intermediella Busck, 6427.

intermedius Riley, 6565 (*Prodoxus*).

intermicata Walker, 3893.

intermidella Chambers, 5576.

interminaria Grote, 3893.

interminellus Walker, 4604.

intermistana Clemens, 5028.

interna Packard, 3128 (*Dasyphilia*).

interna Grote, 1289 (*Trachea*).

interoceanica Smith, 2162.

interpositella Frey & Boll, 6381.

interpuncta Grote, 3062.

interpunctella Hübner, 4890.

interrogationis Fabricius, 205.

interrupta Guenée, 991 (*Apatela*).

interrupta Zeller, 4485 (*Lineodes*).

interrupta Walsingham, 5508 (*Phaenocarpa*).

interruptaria Grote, 3824.

interruptella Ragonot, 4638.

interruptofasciata Robinson, 54 (*Phalonia*).

interruptofasciata Packard, 32 (*Tephroclystis*).

interruptolineana Fernald, 5040.

interruptomarginata De Beauvois, 838.

interruptus Grote, 4583 (*Crambus*).

interstinctana Clemens, 5270.

intestinata Guenée, 3327.

intexta Harvey, 2258.

intextata Walker, 3859.

intrabilis Smith, 2374.

intractaria Walker, 3862 (*Ectropis*).

intractarium Walker, 3838 (*Selidosema*).

intractata Morrison, 2007 (*Himantia*).

intractata Walker, 1489 (*Noctua*).

intractella Walker, 4354.

intrarium Guenée, 3838.

intricatalis Lederer, 4411.

intrita Morrison, 1692.

introferens Grote, 1518.

intrusa Smith, 1712.

intrusata Walker, 3370.

inulta Grote, 2247.

inuitata Hy. Edwards, 4216.

inuitatumnella Chambers, 6392.

	Page.		Page.
<i>inusta</i> Guenée, 2268.		<i>irrorata</i> Smith, 2000 (Orthodes).	
<i>inutilis</i> Hy. Edwards, 6615.		<i>irrorata</i> Grote, 2935 (Poaphila).	
<i>invalida</i> Smith, 1799.		<i>irrorata</i> Packard, 3655 (Sciagra- phia).	
<i>invariata</i> Walker, 3477.		<i>irroratana</i> Walsingham, 5105.	
<i>inventaria</i> Grote, 3373.		<i>irroratella</i> Walsingham, 6023.	
<i>invenusta</i> Grote, 1513.		<i>irrorea</i> Robinson, 5350.	
<i>invenustalis</i> Walker, 4280.		<i>irus</i> Godart, 374.	
<i>inversa</i> Packard, 3094.		<i>isabella</i> Clemens, 6124 (Antispila).	
<i>inversella</i> Zeller, 5665.		<i>isabella</i> Smith & Abbot, 859 (Arach- nis).	
<i>invexana</i> Walker, 5380.		<i>isabella</i> Hy. Edwards, 2897 (Cato- cala).	
<i>invexata</i> Walker, 3911.		Isia 86	
<i>invicta</i> Walsingham, 5157.		<i>islandica</i> Staudinger, 1728.	
<i>invictalis</i> Hulst, 4406.		<i>ismeria</i> Boisduval & Le Conte, 186.	
<i>inviolata</i> Hulst, 3995.		Isochaetes 356	
<i>invisalis</i> Guenée, 4265.		Isogona 219	
<i>involuta</i> Walker, 2986 (Homop- tera).		<i>isola</i> Reakirt, 444.	
<i>involuta</i> Dyar, 4054 (Nola).		<i>isophthalma</i> Herrich-Schaeffer, 449.	
<i>involutellus</i> Clemens, 4567.		<i>issabella</i> Chambers, 6124.	
<i>involutum</i> Sepp, 936 (Eupseudo- soma).		<i>istapa</i> Reakirt, 366.	
<i>io</i> Fabricius, 753 (Automeris).		Itama 311	
<i>io</i> Boisduval, 733 (Paonias).		<i>itata</i> Smith, 2085.	
<i>iochroa</i> Zeller, 6553.		<i>itealis</i> Walker, 4491.	
<i>iole</i> Boisduval, 41 (Nathalis).		<i>ithacæ</i> Beutenmüller, 4226.	
<i>iole</i> Grote, 1116 (Perigea).		Ithobalus 4	
<i>iole</i> Cramer, 220 (Vanessa).		Ithomiidæ 33	
<i>iowa</i> Scudder, 572.		Ithusia 329	
Iphidicles 2		<i>itodes</i> Smith, 1664.	
<i>iphitalis</i> Walker, 4633.		<i>itys</i> Edwards, 341.	
Ipimorpha 182		<i>itysalis</i> Walker, 4404.	
<i>ipomææ</i> Busck, 6067 (Cosmop- teryx).		<i>itzalana</i> Strecker, 4161.	
<i>ipomææ</i> Doubleday, 3148 (Schi- zura).		<i>ivæ</i> Busck, 5580.	
<i>ipomææ</i> Harris, 780 (Syntomeida).		<i>ivallda</i> Mead, 291.	
<i>irene</i> Boisduval, 122 (Argynnis).		<i>ivana</i> Fernald, 5405.	
<i>irene</i> Behr, 2856 (Catocala).		<i>ivella</i> Busck, 6240.	
<i>irene</i> Fitch, 41 (Nathalis).		Ixala 322	
<i>iricolor</i> Smith, 1344.		<i>ixion</i> Linnaeus, 664.	
<i>iridaria</i> Guenée, 3599 (Anaplodes).		<i>jachusalis</i> Walker, 3021.	
<i>iridaria</i> Packard, 3600 (Anap- lodes).		<i>jaculifera</i> Guenée, 1540.	
<i>iridella</i> Chambers, 6477.		<i>jada</i> Butler, 53 (Aphrissa).	
<i>iris</i> Guenée, 2203.		<i>jada</i> Hewitson, 334 (Eupsyche).	
<i>iroides</i> Boisduval, 372.		<i>jaguarina</i> Guenée, 2353.	
<i>irrecta</i> Walker, 2576.		<i>jair</i> Strecker, 2908.	
<i>irregulata</i> Walker, 3647.		<i>j-album</i> Boisduval & Le Conte, 215.	
<i>irresoluta</i> Walker, 1137.		<i>jamaicensis</i> Drury, 729.	
<i>irridipennella</i> Clemens, 5653.		<i>janais</i> Drury, 200.	
<i>irrorata</i> Hy. Edwards, 817 (Cle- mensia).		<i>janassialis</i> Walker, 4379.	
<i>irrorata</i> Packard, 3227 (Oreta).		<i>janiphæ</i> Boisduval, 690.	
		<i>janthinella</i> Duponchel, 4776.	
		<i>janualis</i> Grote, 1426.	
		<i>jaquenetta</i> Hy. Edwards, 2898.	

	Page
<i>loya</i> Smith, 1586.	
<i>lubens</i> Grote, 1808.	
<i>lubricalis</i> Geyer, 3012.	
<i>lubricans</i> Guenée, 1514.	
<i>lucasi</i> Smith, 2872.	
<i>lucata</i> Guenée, 3335.	
<i>luccusalis</i> Walker, 4285.	
<i>lucens</i> Morrison, 2389 (<i>Dasympo-</i> <i>daea</i>).	
<i>lucens</i> Freyer, 2162 (<i>Gortyna</i>).	
<i>lucernalis</i> Hübner, 4320.	
<i>lucetiella</i> Clemens, 6262.	
<i>lucetta</i> Hy. Edwards, 2822 (<i>Cato-</i> <i>cala</i>).	
<i>lucetta</i> Smith, 1129 (<i>Perigea</i>).	
<i>lucia</i> Kirby, 440.	
<i>luciana</i> Hy. Edwards, 2836.	
<i>lucidata</i> Walker, 2216.	
<i>lucidicostella</i> Clemens, 6257.	
<i>lucidiferata</i> Walker, 3699.	
<i>lucidus</i> Boisduval, 735.	
<i>luciferella</i> Clemens, 6162.	
<i>lucifluella</i> Clemens, 6141.	
<i>lucilius</i> Lintner, 620.	
<i>lucina</i> Hy. Edwards, 757 (<i>Hemi-</i> <i>lenca</i>).	
<i>lucina</i> Smith, 1832 (<i>Mamestra</i>).	
<i>lucipara</i> Linnaeus, 1288.	
<i>luctiferana</i> Walker, 5238.	
<i>luctuaria</i> Herrich-Schaeffer, 3362.	
<i>luctuata</i> Hübner, 3362.	
<i>luctuellus</i> Herrich-Schaeffer, 4584.	
<i>luctuosa</i> Hulst, 2815.	
<i>luctuosa</i> Boisduval, 665.	
<i>luculentu</i> Hy. Edwards, 3095.	
<i>luda</i> Druce, 2648.	
<i>ludicostella</i> Riley, 6257.	
<i>lugens</i> Walker, 715.1.	
<i>lugubralis</i> Walker, 4504.	
<i>lugubrata</i> Staudinger, 3362 (<i>Rheu-</i> <i>maptera</i>).	
<i>lugubratum</i> Möschler, 3351 (<i>Eus-</i> <i>troma</i>).	
<i>lugubrella</i> Fabricius, 5724 (<i>Gele-</i> <i>chia</i>).	
<i>lugubrella</i> Ragonot, 4887 (<i>Moodna</i>).	
<i>lugubris</i> Hulst, 890 (<i>Apantesia</i>).	
<i>lugubris</i> Fish, 4988 (<i>Pterophorus</i>).	
<i>lugubris</i> Boisduval, 4132 (<i>Thyris</i>).	
<i>lugubris</i> Linnaeus, 665 (<i>Triptogon</i>).	
<i>lugubrosa</i> Hulst, 3912.	
<i>lutualis</i> Hulst, 4367.	
<i>lumbonigera</i> Dyar, 842.	
<i>lumenaria</i> Hübner, 3480.	
<i>lumenosa</i> Neumoegen, 4194.	
<i>luna</i> Morrison, 2288 (<i>Nyctel-</i> <i>phaeta</i>).	
<i>luna</i> Linnaeus, 747 (<i>Tropaea</i>).	
<i>lunata</i> Stretch, 948 (<i>Alypia</i>).	
<i>lunata</i> Smith, 2159 (<i>Gortyna</i>).	
<i>lunata</i> Hy. Edwards, 3135 (<i>He-</i> <i>rocampa</i>).	
<i>lunata</i> Drury, 2986 (<i>Homoptera</i>	
<i>lunatana</i> Walsingham, 5274.	
<i>ludana</i> Fabricius, 5245.	
<i>lunearis</i> Guenée, 2766.	
<i>lunifera</i> Hübner, 2979.	
<i>luniferella</i> Hulst, 4645.	
<i>lunigerella</i> Ragonot, 4722.	
<i>lunilinea</i> Grote, 2953.	
<i>lunulalis</i> Hübner, 4298 (<i>Lamp-</i> <i>sema</i>).	
<i>lunulalis</i> Hulst, 4644 (<i>Oneida</i>).	
<i>lunus</i> Edwards, 542.	
<i>lupatus</i> Grote, 2357.	
Luperina	
<i>lupinella</i> Busck, 5710.	
<i>lupini</i> Grote, 1050 (<i>Merolonche</i>).	
<i>lupini</i> Behr, 430 (<i>Rusticus</i>).	
<i>lupini</i> Hy. Edwards, 4203 (<i>Sesia</i>	
<i>luridana</i> Walsingham, 5088 (<i>I-</i> <i>cosma</i>).	
<i>luridana</i> Walker, 5537 (<i>Orchemi</i>	
<i>luridula</i> Hulst, 3801 (<i>Alcis</i>).	
<i>luridula</i> Guenée, 2558 (<i>Anomis</i>)	
<i>luscana</i> Fabricius, 5237.	
<i>luscitiosa</i> Clemens, 704.	
<i>lusella</i> Zeller, 4623.	
Lussa	
<i>lustralis</i> Grote, 1782.	
<i>lustrans</i> Grote, 4207 (<i>Sesia</i>).	
<i>lustrans</i> Beutenmüller, 4126 (<i>I-</i> <i>procris</i>).	
<i>lutarella</i> Hübner, 5500.	
<i>lutaria</i> Walker, 3923.	
<i>lutea</i> Grote, 794 (<i>Ctenucha</i>).	
<i>lutea</i> Smith, 2575 (<i>Diallagma</i>).	
<i>lutenta</i> Packard, 3272.	
<i>luterella</i> Chambers, 6242 (<i>Buccu-</i> <i>trix</i>).	
<i>lutella</i> Chambers, 6411 (<i>Buscki</i>	
<i>lutella</i> Hulst, 4854 (<i>Honora</i>).	
<i>luteiceps</i> Walker, 6617.	
<i>luteicoma</i> Grote & Robinson, 10	
<i>luteicostella</i> Ragonot, 4914.	
<i>luteitinctus</i> Grote, 2301.	

	Page.		Page.
<i>luteocinerea</i> Smith, 1182.		<i>lyonetiella</i> Chambers, 6157.	
<i>luteocostella</i> Chambers, 6029.		<i>lysida</i> Godart, 57.	
<i>luteola</i> Grote & Robinson, 1930		<i>lysimacliæella</i> Chambers, 6336.	
(<i>Anarta</i>).		<i>lythrella</i> Walsingham, 5879.	
<i>luteola</i> Smith, 1627 (<i>Paragrotis</i>).		Lytrosis 322	
<i>luteola</i> Smith, 1911 (<i>Scotogramma</i>).		Macaria 310	
<i>luteolana</i> Hübner, 5345.		<i>macaria</i> Edwards, 128 (<i>Argynnis</i>).	
<i>luteolata</i> Hulst, 3496 (<i>Cinglis</i>).		<i>macaria</i> Reakirt, 640 (<i>Hesperia</i>).	
<i>luteolata</i> Hulst, 3347 (<i>Phylace</i>).		<i>maccana</i> Treitschke, 5311.	
<i>luteolellus</i> Clemens, 4609.		<i>mac-cullochii</i> Kirby, 943.	
<i>luteolus</i> Reakirt, 41.		<i>macerata</i> Smith, 1203.	
<i>luteopallens</i> Smith, 1957.		<i>mac-glashani</i> Rivers, 149.	
<i>luteopulvella</i> Chambers, 5941.		<i>machaon</i> Linnæus, 16.	
<i>luteoscapus</i> Neumoegen & Dyar, 796.		Machimia 520	
<i>luteositus</i> Smith, 1645.		<i>maclura</i> Riley, 4369.	
<i>luteostrigella</i> Chambers, 5647.		<i>macmurtrici</i> Peale, 4148.	
<i>lutescens</i> Neumoegen & Dyar, 3215.		<i>macounii</i> Edwards, 289.	
<i>lutina</i> Smith, 1952.		<i>macra</i> Guenée, 1302.	
<i>lutosa</i> Andrews, 2231.		<i>macrinellus</i> Zeller, 4541.	
<i>lutosana</i> Clemens, 5424.		<i>macrocarpana</i> Walsingham, 5467.	
<i>lutosus</i> Haworth, 5500.		<i>macrocarpella</i> Frey & Boll, 6289.	
<i>lutulenta</i> Smith, 1661.		<i>macrogaster</i> Walsingham, 6596.	
<i>lutulentana</i> Herrich-Schaeffer, 5437.		<i>macromera</i> Butler, 900.	
<i>lura</i> Grote, 2281 (<i>Bessula</i>).		Macronootua 119	
<i>lura</i> Grote, 1117 (<i>Perigea</i>).		<i>macropterellus</i> Zeller, 4612.	
<i>luxuriosa</i> Grote, 2389 (<i>Dasyspou-</i>		Macrorrhinia 433	
<i>dæa</i>).		<i>mactata</i> Guenée, 1166.	
<i>luxuriosa</i> Smith, 2651 (<i>Tripudia</i>).		<i>macula</i> Smith, 2655.	
<i>lybialis</i> Walker, 4341.		<i>maculabella</i> Chambers, 6509.	
Lycænidæ 35		<i>maculalis</i> Westwood, 4277 (<i>Desmia</i>).	
<i>lycaste</i> Fabricius, 307.		<i>maculalis</i> Clemens, 4495 (<i>Nym-</i>	
<i>lycea</i> Edwards, 406.		<i>phula</i>).	
<i>lyceas</i> Godman & Salvin, 26.		<i>maculana</i> Fernald, 5293.	
Lychnosea 332		<i>macularia</i> Harris, 3902.	
Lycia 328		<i>maculata</i> Smith, 1767 (<i>Agrotiphila</i>).	
<i>lyciades</i> Hübner, 591.		<i>maculata</i> Harris, 922 (<i>Halesidota</i>).	
<i>lycialis</i> Walker, 4344.		<i>maculata</i> Edwards, 544 (<i>Oligoria</i>).	
<i>lycidas</i> Smith & Abbot, 591.		<i>maculata</i> Riley, 6575 (<i>Pronuba</i>).	
Lycomorpha 78		<i>maculata</i> Harris, 4131 (<i>Thyris</i>).	
Lycorea 33		<i>maculatuna</i> Walsingham, 5111.	
<i>lycus</i> Hübner, 363.		<i>maculatusella</i> Chambers, 5812.	
<i>lygdamas</i> Doubleday, 420.		<i>maculicollis</i> Walker, 941.	
Lygropia 378		<i>maculidorsana</i> Clemens, 5309.	
<i>lymani</i> Dyar, 841.		<i>maculifascia</i> Hulst, 3645.	
Lymire 77		<i>maculifer</i> Walsingham, 6580.	
Lymnadidæ 33		<i>maculimarginella</i> Chambers, 5757	
Lymnæcia 537		(<i>Gelechia</i>).	
<i>lyncea</i> Clemens, 675.		<i>maculimarginella</i> Chambers, 6510	
<i>lynceella</i> Zeller, 5754.		(<i>Tinea</i>).	
<i>lynosyrana</i> Walsingham, 5328.		<i>maculipennis</i> Curtis, 5503.	
<i>lynosyridella</i> Walsingham, 6028.		<i>maculipes</i> Grote & Robinson, 4258.	
<i>lynx</i> Guenée, 2346.		<i>maculisella</i> Chambers, 6201.	
Lyonetia 563		<i>maculomarginella</i> Chambers, 5757.	

	Page.		P.
<i>maculosa</i> Belir, 2793.		Magasa	
<i>maculosa</i> Clemens, 6083.		<i>maia</i> Ottolengui, 857 (<i>Arachnis</i>).	
<i>maculosa</i> Clemens, 6084.		<i>maia</i> Drury, 757 (<i>Hemileuca</i>).	
<i>madarid</i> Hy. Edwards, 4203.		<i>maizi</i> Fitch, 1711.	
<i>malesutalis</i> Guenée, 3069.		<i>major</i> Grote & Robinson, 3102	
<i>madetecalis</i> Walker, 4454.		(<i>Datana</i>).	
<i>madagascariensis</i> Saalmüller, 4807.		<i>major</i> Smith, 1284 (<i>Feralia</i>).	
<i>maduaria</i> Walker, 3963.		<i>major</i> Speyer, 1801 (<i>Mamestra</i>).	
Mænas	87	<i>major</i> Walsingham, 5058 (<i>Olethreute</i>	
<i>marula</i> Hübner, 56.		<i>major</i> Grote, 1347 (<i>Oncocnemis</i>).	
Mænia	282	<i>major</i> Smith, 2666 (<i>Tarache</i>).	
<i>maroides</i> Butler, 471.		<i>majoralis</i> Smith, 3017	
<i>maroma</i> Hulst, 2811 (<i>Catocala</i>).		<i>majoraria</i> Guenée, 4008.	
<i>maroma</i> Hulst, 3798 (<i>Nepytia</i>).		<i>majorella</i> Costa, 4807	
<i>maroma</i> Hulst, 3297 (<i>Tephroclystis</i>).		<i>majorcula</i> Hy. Edwards, 2721.	
<i>magdalena</i> Strecker, 2881 (<i>Cato-</i>		<i>malaca</i> Grote, 2800.	
<i>calala</i>).		<i>malachitana</i> Zeller, 5044.	
<i>magdalena</i> Fernald, 4383 (<i>Dia-</i>		Malacosoma	
<i>maia</i>).		Malacotricha	
<i>magdalena</i> Strecker, 275 (<i>Erebna</i>).		<i>malana</i> Fitch, 1092 (<i>Balsa</i>).	
<i>magdalena</i> Hulst, 3896 (<i>Melema</i>).		<i>malanum</i> Fernald, 5025 (<i>Exar-</i>	
<i>magdalena</i> Hulst, 2288 (<i>Nyctero-</i>		<i>tema</i>).	
<i>phæta</i>).		<i>malalbum</i> Boisduval & Le Conte, 330.	
<i>magicalis</i> Felder, 4207.		<i>malefida</i> Guenée, 1551.	
<i>magistralis</i> Grote, 4420.		<i>malifoliella</i> Clemens, 6448 (<i>Tier-</i>	
<i>magnalis</i> Guenée, 4303 (<i>Blepharo-</i>		<i>maia</i>).	
<i>mastix</i>).		<i>malifoliellus</i> Fitch, 5687 (<i>Ypsolo-</i>	
<i>magnalis</i> Hulst, 4481 (<i>Noctuella</i>).		<i>phus</i>).	
<i>magnana</i> Hübner, 5411.		<i>maligenanella</i> Murtfeldt, 5986.	
<i>magnaria</i> Guenée, 3923.		<i>malis</i> Smith, 1714.	
<i>magnatella</i> Zeller, 6157 (<i>Mompha</i>).		<i>malvorana</i> Le Baron, 5319.	
<i>magnatella</i> Zeller, 6429 (<i>Phyllocnis-</i>		<i>malvorella</i> Riley, 6030.	
<i>tis</i>).		Mamestra	
<i>magnella</i> Chambers, 6243 (<i>Buccula-</i>		<i>macanaria</i> Guenée, 3803.	
<i>trix</i>).		<i>manalis</i> Walker, 3064.	
<i>magnella</i> Busck, 5542 (<i>Paltodora</i>).		<i>manataspua</i> Scudder, 557.	
<i>magnetaria</i> Guenée, 3512.		<i>manicula</i> Lederer, 4350.	
<i>magnifera</i> Walker, 4437.		<i>manicus</i> Doubleday & Hewitson,	
<i>magnifera</i> Walker, 3530.		270 (<i>Erebna</i>).	
<i>magnifica</i> Bailey, 4151 (<i>Cossula</i>).		<i>manicus</i> Herrich-Schaeffer, 575	
<i>magnifica</i> Strecker, 4151 (<i>Cossula</i>).		<i>Eryci</i> les	
<i>magnifica</i> Neumoegen, 2317 (<i>Gro-</i>		<i>manicipata</i> Guenée, 3442.	
<i>peria</i>).		<i>manila</i> Edwards, 469.	
<i>magnifica</i> Beutenmüller, 4166 (<i>Me-</i>		<i>manfredi</i> Neumoegen, 4152.	
<i>littia</i>).		Manhatta	
<i>magnifica</i> Grote, 2704 (<i>Spragueia</i>).		<i>manu</i> Strecker, 1873.	
<i>magnifica</i> Fernald, 4611 (<i>Thauma-</i>		<i>manifesta</i> Morrison, 1438.	
<i>topus</i>).		<i>manifestolabes</i> Morrison, 1428.	
<i>magnificalis</i> Hübner, 4497		<i>manitoba</i> Smith, 906 (<i>Apatela</i>).	
<i>magnoliana</i> Fernald, 5369.		<i>manitoba</i> Scudder, 487 (<i>Erynnis</i>).	
<i>magnoliata</i> Guenée, 3419.		<i>mandoboides</i> Fletcher, 487.	
<i>magnoliella</i> Chambers, 6424.		<i>mandou</i> Neumoegen & Dyar, 3111.	
<i>magnalis</i> Guenée, 4303.		<i>manu</i> Mayer, 40.	

	Page.		Page.
<i>mansueta</i> Smith, 1015.		Maricopa	438
<i>mantalini</i> Smith, 1106.		<i>maricopa</i> Reakirt, 408 (Cupido).	
<i>manteo</i> Doubleday & Hewitson, 3137.		<i>maricopa</i> Hulst, 3725 (Cymatophora).	
<i>manto</i> Strecker, 3194.		<i>mariella</i> Riley, 6315.	
<i>manubiaria</i> Hulst, 3953.		<i>marina</i> Grote, 1175 (Hadena).	
<i>mappa</i> Grote & Robinson, 2482.		<i>marina</i> Reakirt, 451 (Leptotes).	
Marasmalus	204	<i>marina</i> Packard, 3143 (Misogada).	
Marasmia	374	<i>marinaria</i> Strecker, 3713.	
<i>marcata</i> Neumoegen, 766.		<i>marinitincta</i> Harvey, 1836.	
<i>marcellina</i> Cramer, 52.		<i>mariona</i> Beutenmüller, 4243.	
<i>marcellus</i> Boisduval & Le Conte, 5.		<i>mariposa</i> Grote & Robinson, 948 (Alypia).	
<i>marcessaria</i> Packard, 3746.		<i>mariposa</i> Reakirt, 394 (Epidemia).	
<i>marcia</i> Edwards, 189 (Phyciodes).		<i>maritima</i> Edwards, 258.	
<i>marcia</i> Beutenmüller, 4239 (Sesia).		<i>marius</i> Cramer, 233.	
<i>marcida</i> Guenée, 2923.		Marmara	562
<i>marcidana</i> Zeller, 5254.		Marmarea	343
<i>marcidilinea</i> Grote, 3025.		<i>marmarodactyla</i> Dyar, 4938.	
<i>marculenta</i> Grote & Robinson, 4349 (Loxostege).		Marmopteryx	286
<i>marculenta</i> Zeller, 4350 (Loxostege).		<i>marmorata</i> Smith, 1021 (Apatela).	
<i>mardon</i> Edwards, 522.		<i>marmorata</i> Edwards, 2829 (Catala).	
<i>margarita</i> Hübner, 30.		<i>marmorata</i> Zetterstedt, 1233 (Hadena).	
<i>margaritalis</i> Denis & Schiffermüller, 4335.		<i>marmorata</i> Packard, 3436 (Marmopteryx).	
<i>margaritosa</i> Haworth, 1467.		<i>marmorata</i> Haworth, 3380 (Meso-leuca).	
Margaronia	378	<i>marmorea</i> Walsingham, 5903.	
<i>margartalis</i> Hübner, 5411.		<i>marmorella</i> Chambers, 5619 (Phthorimæa).	
<i>marginalis</i> Stoll, 4320 (Diaphania).		<i>marmorella</i> Chambers, 6512 (Tinea).	
<i>marginalis</i> Grote, 653 (Hemaris).		Marmoropteryx	286
<i>marginalis</i> Scudder, 40 (Pontia).		<i>mars</i> Fabricius, 364.	
<i>marginalis</i> Walker, 4468 (Pyrausta).		<i>marshallana</i> Westwood, 1232.	
<i>marginata</i> Harris, 4191 (Bembecia).		<i>marsyas</i> Edwards, 207.	
<i>marginata</i> Edwards, 440 (Cyaniris).		<i>marteni</i> French, 4124.	
<i>marginata</i> Minot, 3964 (Euchlæna).		<i>marthesia</i> Cramer, 3165.	
<i>marginata</i> Walker, 3226 (Oreta).		Martia	439
<i>marginata</i> Haworth, 2361 (Schinia).		<i>martialis</i> Herrich-Schaeffer, 332 (Eupsyche).	
<i>marginatus</i> Harris, 472 (Ancyloxypha).		<i>martialis</i> Guenée, 4401 (Phlyctænia).	
<i>marginatus</i> Riley, 6566 (Prodoxus).		<i>martialis</i> Scudder, 624 (Thanaos).	
<i>marginidactyla</i> Fitch, 4956.		<i>martinella</i> Walker, 6529.	
<i>marginidens</i> Guenée, 2192.		Martyringa	489
<i>marginimaculella</i> Chambers, 6510.		Marumba	70
<i>marginistrigella</i> Chambers, 6511.		<i>masoni</i> Smith, 2313.	
<i>maria</i> Skinner, 151.1.		<i>massasoit</i> Scudder, 482.	
<i>mariae</i> Grote, 2617.		Mastiphanes	99
<i>marivella</i> Chambers, 6315.		<i>mata</i> Reakirt, 192.	
<i>mariana</i> Hy. Edwards, 2851 (Catala).		<i>materna</i> Linnæus, 2952.	
<i>mariana</i> Fernald, 5427 (Eulia).			
<i>mariana</i> Barnes, 148 (Lemonias).			

	Page.
<i>nevada</i> Oberthur, 4132 (Thyris).	
<i>nevadaria</i> Packard, 3586 (Chlorosea).	
<i>nevadaria</i> Hulst, 3627 (Deilinia).	
<i>nevadaria</i> Hulst, 3879 (Phigalia).	
<i>nerudata</i> Packard, 3317.	
<i>nerudensis</i> Grote & Robinson, 888 (Apantesis).	
<i>nerudensis</i> Edwards, 118 (Argynnis).	
<i>nerudensis</i> Stretch, 758 (Hemileuca).	
<i>nerudensis</i> Felder, 290 (Oeneis).	
<i>newmanella</i> Clemens, 5932.	
<i>nexa</i> Boisduval, 824.	
<i>nexalis</i> Hulst, 4390.	
<i>nexilis</i> Morrison, 2423.	
<i>nezahualcoyotl</i> Strecker, 24.	
<i>nicarualis</i> Walker, 4286.	
<i>nicalis</i> Grote, 4467.	
<i>nicetaria</i> Guenée, 3699.	
<i>nicyppe</i> Cramer, 83.	
<i>nicotianis</i> Hy. Edwards, 4228.	
<i>nictitans</i> Borkhausen, 2162 (Gortyna).	
<i>nictitans</i> Ménétries, 900 (Parasemia).	
<i>nidificansella</i> Packard, 6417.	
<i>nigella</i> Hulst, 4250 (Sesia).	
<i>nigellus</i> Strecker, 3010 (Epizeuxis).	
<i>nigerlinella</i> Chambers, 6031.	
Nigotia 352	
<i>nigra</i> Edwards, 440 (Cyaniris).	
<i>nigra</i> Stretch, 806 (Kodiosoma).	
<i>nigra</i> Edwards, 295 (Oeneis).	
<i>nigra</i> Smith, 1465 (Peridroma).	
<i>nigra</i> Busck, 5605 (Recurvaria).	
<i>nigra</i> Beutenmüller, 4254 (Sesia).	
<i>nigralbana</i> Walsingham, 5123.	
<i>nigralineella</i> Chambers, 6031.	
<i>nigralis</i> Fernald, 4378.	
<i>nigrapunctella</i> Busck, 6065.	
<i>nigratomella</i> Clemens, 5699.	
<i>nigrella</i> Chambers, 5697 (Aprocrisma).	
<i>nigrella</i> Hulst, 4878 (Ephesia).	
<i>nigrella</i> Hulst, 4882 (Ephesiodes).	
<i>nigrescens</i> Hulst, 3928.	
<i>nigrescens</i> Grote & Robinson, 2767 (Meliopota).	
<i>nigrescens</i> Hulst, 3836 (Phœoura).	
<i>nigrescens</i> Hulst, 3344 (Philereme).	
<i>nigricans</i> Reakirt, 832 (Eubaphe).	
<i>nigricans</i> Bethune, 2987 (Homoptera).	
<i>nigricans</i> Packard, 4089 (Phobron).	
<i>nigricans</i> Hulst, 4758 (Salebria).	
<i>nigricantella</i> Ragonot, 4830.	
<i>nigriceps</i> Walker, 1496.	
<i>nigridia</i> Robinson, 5406.	
<i>nigridice</i> Scudder, 66.	
<i>nigrifera</i> Walker, 832.	
<i>nigrilineella</i> Chambers, 6137.	
<i>nigrimaculella</i> Busck, 5756.	
<i>nigrina</i> Strecker, 66 (Eurymus).	
<i>nigrina</i> Graef, 4127 (Harrisina).	
<i>nigrinotia</i> Zeller, 4533.	
<i>nigrior</i> Smith, 1242.	
<i>nigripennis</i> Grote, 1708.	
<i>nigripunctata</i> Goodell, 4098.	
<i>nigrirena</i> Haworth, 2339.	
<i>nigristrigella</i> Beutenmüller, 6361.	
<i>nigritula</i> Guenée, 2612.	
<i>nigriverticella</i> Chambers, 6205.	
<i>nigroangulata</i> Strecker, 3236.	
<i>nigrocervula</i> Cockerell, 97.	
<i>nigrocandida</i> Hulst, 3489.	
<i>nigrocaput</i> Morrison, 2628 (Exyra).	
<i>nigrocaput</i> Smith, 1367 (Onconemis).	
<i>nigrocercina</i> , Walsingham, 5389.	
<i>nigrociliatus</i> Zeller, 4935.	
<i>nigrocemerella</i> Hulst, 4695.	
<i>nigrolasialis</i> Hulst, 3516.	
<i>nigrofasciata</i> Zeller, 4049 (Celama).	
<i>nigrofasciata</i> Packard, 3450 (Petrphora).	
<i>nigrofasciata</i> Hulst, 1301 (Prodnia).	
<i>nigrofasciella</i> Ragonot, 4811.	
<i>nigrosimbricia</i> Guenée, 2631.	
<i>nigrositura</i> Graef, 897.	
<i>nigroguttata</i> Grote, 1303.	
<i>nigroluca</i> Robinson, 5306.	
<i>nigrolunata</i> Packard, 1931.	
<i>nigromaculella</i> Hulst, 4896.	
<i>nigromargnata</i> Strecker, 2804.	
<i>nigroserrata</i> Packard, 3637.	
<i>nigrosignata</i> Walker, 3148.	
<i>nigrosiquella</i> Hulst, 4689.	
<i>nigrostrata</i> Walsingham, 6032.	
<i>nigrorenaria</i> Packard, 3779.	
<i>nigrorittata</i> Grote, 1474.	
<i>nilus</i> Edwards, 532.	
<i>nimbata</i> Guenée, 4010.	

Page.		Page.
	<i>nimbatana</i> Clemens, 5031.	<i>niveopulvella</i> Chambers, 5704.
	<i>nimbicolor</i> Hulst, 3529 (Eois).	<i>niveosana</i> Packard, 5410.
	<i>nimbicolor</i> Hulst, 3298 (Tephroclystis).	<i>niveosericeata</i> Jones, 3922.
	<i>nimbosa</i> Guenée, 1773 (Mamestra).	<i>niviella</i> Hulst, 4729.
	<i>nimbosa</i> Hulst, 3302 (Tephroclystis).	<i>nivigerata</i> Walker, 3253.
	<i>nimia</i> Guenée, 1998.	<i>nivihumellus</i> Walker, 4564.
	<i>ninana</i> Riley, 5298.1.	<i>nivisellana</i> Walsingham, 5314.
	<i>ningoris</i> Walsingham, 4934.	<i>nirium</i> Boisduval, 430.
	<i>ninguidalis</i> Hulst, 5510.	<i>nivosarium</i> Guenée, 3916.
	<i>ninonia</i> Boisduval, 28.	<i>nivosata</i> Packard, 3916.
	<i>ninus</i> Edwards, 358.	<i>nobilis</i> Neumoegen, 778 (Basilona).
	<i>niobe</i> Strecker, 849.	<i>nobilis</i> Grote, 2358 (Schinia).
	<i>niphon</i> Hübner, 378.	<i>nobilis</i> Grote, 4528 (Tosale).
	<i>nisella</i> Clemens, 5131.	<i>nocticolata</i> Hulst, 3255.
	<i>nisæcalis</i> Walker, 4411.	<i>noctiraga</i> Grote, 1030.
	<i>nitella</i> Guenée, 2179.	Noctua 134
	<i>nitens</i> Walsingham, 6071 (Cosmopteryx).	Noctuelia 394
	<i>nitens</i> Grote, 1998 (Neleucania).	<i>noctuella</i> Schiffermüller, 4342.
	<i>nitida</i> Packard, 3149.	Noctuidæ 98
	<i>nitidalis</i> Cramer, 4316.	<i>noctuiiformis</i> Walker, 693 (Cautethia).
	<i>nitidana</i> Clemens, 5010.	<i>noctuiiformis</i> Möschler, 942 (Misa).
	<i>nitidulum</i> Zeller, 5014.	<i>noctuiiformis</i> Smith, 1701 (Paragrotis).
	<i>nitocraria</i> Hübner, 4029.	Noctuinae 98
	<i>nitocris</i> Edwards, 97 (Argynnis).	<i>nodosella</i> Hulst, 4915.
	<i>nitocris</i> Cramer, 4029 (Mecoceras).	<i>nokomis</i> Edwards, 96.
	<i>nitra</i> Edwards, 20.	Nola 351
	<i>nivalis</i> Drury, 4620 (Argyria).	<i>nolckenii</i> Frey & Boll, 6444.
	<i>nivalis</i> Boisduval, 394 (Epidemas).	Nolidæ 351
	<i>nivalis</i> Smith, 2285 (Oxycnemis).	Nolophana 109
	<i>nivaria</i> Grote, 1936.	Nomia 497
	<i>nivea</i> Herrich-Schaeffer, 936 (Eupseudosoma).	Nomiades 43
	<i>nivea</i> Neumoegen, 3163 (Harpyia).	<i>nominatalis</i> Hulst, 4505.
	<i>nivea</i> Walker, 4540 (Scirpophaga).	<i>nomion</i> Fischer, 3.
	<i>niveana</i> Fabricius, 5304 (Acleris).	Nomophila 381
	<i>niveana</i> Walsingham, 5338 (Cenopis).	Nonagria 174
	<i>niveella</i> Chambers, 6244.	<i>nonangulata</i> Strecker, 4021.
	<i>niveiciliatis</i> Grote, 4473.	<i>nondescriptus</i> Wetherby, 4089.
	<i>niveicollis</i> Smith, 2693.	<i>nonfasciella</i> Chambers, 6286.
	<i>niveicosta</i> Smith, 1989.	<i>nonstrigella</i> Chambers, 5933 (Dasycera).
	<i>niveicostatus</i> Grote, 2216.	<i>nonstrigella</i> Chambers, 6230 (Opotega).
	<i>niveifascia</i> Hulst, 3280.	<i>nonstrigella</i> Chambers, 5661 (Trichotaphe).
	<i>niveifasciata</i> Hulst, 3386.	<i>norax</i> Druce, 4151.
	<i>niveiguttana</i> Grote, 5075.	<i>nordica</i> Smith, 1732.
	<i>niveiguttata</i> Grote, 1919.	<i>norma</i> Morrison, 2617.
	<i>niveilinea</i> Grote, 1575.	<i>normalis</i> Grote, 2047.
	<i>niveirena</i> Harvey, 1135.	<i>normani</i> Grote, 2009.
	<i>niveivenosa</i> Grote, 1210.	<i>normaniana</i> Grote, 1476.
	<i>niveocapitella</i> Chambers, 6516.	<i>norna</i> Thunberg, 295.
	<i>niveocilia</i> Hampson, 4319.	

	Page.	
Noropsis	195	<i>nuchalis</i> Grote, 4480 (Noctuelia).
<i>nortonii</i> Edwards, 538.		<i>nucicolora</i> Guenée, 1142.
<i>nostra</i> Smith, 1718.		<i>nugatis</i> Smith, 1858.
<i>notabilis</i> Strecker, 649.		<i>nuicola</i> Smith, 2671.
<i>notalis</i> Grote, 1099.		<i>numa</i> Strecker, 1686.
<i>notaria</i> Hy. Edwards, 3114 (Odon- tosia).		<i>numeralis</i> Zetterstedt, 4510.
<i>notaria</i> Denis & Schiffermüller, 3666 (Philobia).		Numeria
<i>notata</i> Cramer, 3667 (Philobia).		<i>numerosana</i> Zeller, 5100.
<i>notata</i> Linnaeus, 3666 (Philobia).		<i>numitor</i> Fabricius, 472.
<i>notata</i> Stephens, 3294 (Tephroclys- tis).		<i>nummulalis</i> Hübner, 4621 (Ar- gyria).
<i>notata</i> Strecker, 2063 (Tricholita).		<i>nummulalis</i> Zeller, 4620 (Argyria).
<i>notatalis</i> Walker, 4669.		<i>nummulalis</i> Lederer, 4324 (Omma- tospila).
<i>notataria</i> Hulst, 3937 (Hyperitis).		<i>nundina</i> Drury, 2339.
<i>notataria</i> Walker, 3604 (Sciagra- phia).		<i>nundinella</i> Zeller, 5770.
<i>notatella</i> Grote, 2288.		<i>nupera</i> Lintner, 2118.
<i>notha</i> Hy. Edwards, 4118.		<i>nuptialis</i> , Walker, 2891.
Notodonta	251	<i>nurus</i> Walker, 2828.
Notodontidæ	249	<i>nutrix</i> Cramer, 2466.
Notolophus	259	<i>nutalli</i> Strecker, 764.
<i>nora</i> Fitch, 3187.		<i>nycteis</i> Doubleday & Hewitson, 185.
<i>noralis</i> Grote, 4478.		Nycteola
<i>noranglia</i> Seudder, 40.		Nycteolidæ
<i>norarocensis</i> Hy. Edwards, 4211.		Nycterophæta
<i>novellata</i> Hulst, 4015.		Nycterosea
<i>noverca</i> Grote, 1824.		Nyctiphanta
<i>norimundi</i> Walsingham, 5866.		Nyctobia
Nuarace	403	<i>nymphæa</i> Edwards, 184.
<i>nubeculana</i> Clemens, 5240.		Nymphæella
<i>nubecularia</i> Guenée, 3803.		<i>nymphæella</i> Hulst, 4862.
<i>nubeculosa</i> Zeller, 5836.		Nymphalidæ
<i>nubicola</i> Behr, 2797.		Nymphula
<i>nubiculata</i> Packard, 3654.		Nymphulinae
<i>nubiferella</i> Ragonot, 4751 (Sale- bria).		<i>nyssa</i> Edwards, 460.
<i>nubiferella</i> Walsingham, 5881 (De- pressaria).		<i>nyssaefoliella</i> Clemens, 6125 (Anti- spila).
<i>nubigena</i> Behr, 152.		<i>nyssaefoliella</i> Chambers, 6206 (Nep- ticula).
<i>nubila</i> Strecker, 2381.		<i>nyssaria</i> Guenée, 3934.
<i>nubilana</i> Clemens, 5050.		Nyssia
<i>nubilata</i> Packard, 4024 (Sabulodes).		Oarisma
<i>nubilatum</i> Packard, 3353 (Eustro- ma).		<i>obatra</i> Morrison, 2706.
<i>nubilella</i> Zeller, 5980 (Holcocera).		<i>obaurata</i> Morrison, 4054.
<i>nubilella</i> Hulst, 4713 (Monoptilota).		<i>obductata</i> Möschler, 3362.
<i>nubilifascia</i> Grote, 3031.		<i>obeliscoides</i> Guenée, 1724.
<i>nubilifasciata</i> Packard, 3387.		<i>oberon</i> Worthington, 588.
<i>nubilipennella</i> Clemens, 6503.		<i>oberthuralis</i> Fernald, 4363.
<i>nubilis</i> Hübner, 2911.		<i>oberthurella</i> Ragonot, 4768.
<i>nuchalis</i> Grote, 2302 (Heliothis).		<i>obesalis</i> Stephens, 3079.
		<i>obexula</i> Smith, 1554.
		<i>obfirmaria</i> Hübner, 3947.
		<i>obfusaria</i> Walker, 3539.

obfuscana Riley, 5140.1.
objurgata Smith, 1690.
oblata Morrison, 1486.
oblectalis Hulst, 4372.
oblentaria Grote, 3977.
oblinita Smith & Abbot, 1041.
obliqua Hulst, 3593 (*Anaploides*).
obliqua Smith, 2215 (*Fagitana*).
obliqua Harvey, 2167 (*Gortyna*).
obliqua Packard, 3133 (*Heterocampa*).
obliqua Guenée, 3001 (*Homoptera*).
obliqua Hy. Edwards, 4084 (*Monoleuca*).
obliqua Smith, 2337 (*Schinia*).
obliqua Walker, 2149 (*Sphida*).
obliquialis Grote, 4330 (*Evergestis*).
obliquialis Hy. Edwards, 2584 (*Pleonectyptera*).
obliquaria Grote, 3796.
obliquata Smith, 2411 (*Heliophana*).
obliquata Grote & Robinson, 3193 (*Olene*).
obliquata Smith, 2073 (*Pleroma*).
obliquata Grote & Robinson, 2149 (*Sphida*).
obliquella Walker, 4636.2.
obliquestrigella Chambers, 5599.
obliquifasciella Chambers, 5554.
obliquifera Walker, 1092.
obliquilinea Walker, 3171.
obliquistrigella Chambers, 5599.
oblita Grote, 1357.
obliteralis Walker, 4496 (*Nymphula*).
obliteralis Walker, 4349 (*Sphida*).
obliterana Walsingham, 5201.
obliterata Stretch, 884 (*Apantes*).
obliterata Grote, 1054 (*Microcœlia*).
obliteratellus Zeller, 4624.
obliviosa Hy. Edwards, 3190.
oblonga Grote, 2152.
oblongostigma Smith, 1578.
oblunalis Lederer, 4401.
obhuridata Hulst, 3492.
obnigra Smith, 1832.
obnigralis Hulst, 4443.
obnusella Hulst, 4671.
obruptata Walker, 3370.
obrussata Grote, 4032.
obrutella Zeller, 6226.
obscura Hy. Edwards, 972 (*Apate*).

obscura Strecker, 2819 (*Catocala*).
obscura Fabricius, 692 (*Dilophonota*).
obscura Stretch, 832 (*Eubaphe*).
obscura Grote, 2561 (*Eucalyptera*).
obscura Cockerell, 217 (*Eu Vanessa*).
obscura Riley, 1302 (*Laphygma*).
obscura Smith, 1827 (*Mamestra*).
obscuralis Grote, 4493 (*Nymphula*).
obscuralis Möschler, 4496 (*Nymphula*).
obscuralis Lederer, 4309 (*Sylepta*).
obscurata McLachlan, 137 (*Brenthis*).
obscurata Strecker, 2386 (*Schinia*).
obscurata Hulst, 3367 (*Zenophleps*).
obscurella Beutenmüller, 5906 (*Ethmia*).
obscurella Chambers, 5815 (*Gelechia*).
obscurella Dietz, 5948 (*Pigritia*).
obscuricostella Clemens, 6280.
obscurior Smith, 2125 (*Cucullia*).
obscurior Smith, 1964 (*Heliophila*).
obscurior Smith, 1832 (*Mamestra*).
obscurior Hulst, 3309 (*Tephroclystis*).
obscuripennella Frey & Boll, 6382.
obscuripennis Grote, 3022.
obscuræcella Riley, 5752.
obsкуроfasciella Chambers, 6251 (*Buccutatrix*).
obsкуроfasciella Chambers, 6172 (*Douglasia*).
obsкуроmaculella Chambers, 5848.
obsкуроocelella Chambers, 5752.
obsкуроstrigella Chambers, 6517.
obsкуроsuffusella Chambers, 5772.
obscurus Smith, 1757 (*Anytus*).
obscurusella Chambers, 5816 (*Gelechia*).
obscurusella Chambers, 6164 (*Mompha*).
observabilis Grote, 1404.
obsipella Hulst, 4778.
obsolescens Dyar, 4112.
obsoleta Edwards, 241 (*Basilarchia*).
obsoleta Worthington, 2865 (*Catocala*).
obsoleta Grote, 2696 (*Fruva*).
obsoleta Ehrman, 23 (*Laertias*).

	Page.	
<i>okeechobee</i> Worthington, 575.		<i>omphale</i> Hübner, 779.
<i>olbiella</i> Hulst, 4847.		<i>omphaleæ</i> Boisduval, 687.
<i>oleagina</i> Morrison, 2333.		Omphalocera
<i>olealis</i> Ragonot, 4535 (Chalinitis).		<i>onagrus</i> Guenée, 2702.
<i>olealis</i> Felder, 4315 (Diaphania).		Oncocnemis
Olene	260	Oneida
<i>olenusaria</i> Walker, 3759.		<i>oneko</i> Scudder, 468.
<i>oleracea</i> Harris, 38.		<i>ontariella</i> Bethune, 5889.
Olethreutes	451	<i>ontario</i> Smith, 1666 (Paragrotis).
Olethreutinae	448	<i>ontario</i> Edwards, 348 (Thecla).
Oligia	112	<i>onusta</i> Grote, 1255.
Oligoria	54	<i>onustana</i> Walker, 5521.
Oligostigma	396	Onychia
<i>olinalis</i> Guenée, 4521.		<i>onychina</i> Guenée, 2068.
<i>oliracea</i> Smith, 1064 (Cerma).		<i>onythesalis</i> Walker, 4448.
<i>oliracea</i> Grote, 3080 (Hypena).		<i>oo</i> Cramer, 2486.
<i>oliracea</i> Morrison, 1832 (Mamestra).		<i>opaca</i> Harvey, 1529.
<i>olivaceana</i> Fernald, 5016 (Exartema).		<i>opacalis</i> Grote, 3040.
<i>olivaceana</i> Riley, 5164 (Thiodia).		<i>opacaria</i> Hulst, 3845.
<i>olivacearia</i> Morrison, 3880.		<i>opacella</i> Hulst, 4897.
<i>olivalis</i> Grote, 4531 (Arta).		<i>opacifrons</i> Grote, 1427.
<i>olivalis</i> Hulst, 3717 (Cymatophora).		<i>opalescalis</i> Hulst, 4554.
<i>olivalis</i> Hulst, 4637 (Epipaschia).		<i>opalescellum</i> Ragonot, 4866.
<i>olivalis</i> Morrison, 1581 (Paragrotis).		<i>opalescens</i> Hy. Edwards, 4195.
<i>olirata</i> Harvey, 2248 (Glea).		<i>opalizalis</i> Guenée, 4448.
<i>oliratus</i> Packard, 3140 (Heterocampa).		<i>opella</i> Grote, 832.
<i>olirella</i> Hulst, 4790 (Anoristia).		<i>opelloides</i> Graef, 831.
<i>olirella</i> Grote, 4550 (Mesolia).		<i>opercularis</i> Smith & Abbot, 4109.
<i>oliria</i> Hy. Edwards, 2899 (Catocala).		<i>operculella</i> Zeller, 5616.
<i>oliria</i> Morrison, 1536 (Feltia).		<i>operosella</i> Zeller, 6549.
<i>oliria</i> Cockerell, 763.		<i>ophelia</i> Hy. Edwards, 2863.
<i>oliriosa</i> Walker, 1225.		Opheroptera
<i>olliusalis</i> Walker, 4302.		Ophideres
<i>olongella</i> Riley, 6354.		<i>ophionalis</i> Walker, 4373.
<i>olorina</i> Grote, 1260.		<i>ophis</i> Edwards, 546.
<i>olympia</i> Butler, 3086 (Composia).		<i>ophthalmica</i> Guenée, 1073 (Baileya).
<i>olympia</i> Edwards, 43 (Synchloe).		<i>ophthalmicus</i> Boisduval, 730 (Smerinthus).
<i>olympiadella</i> Zeller, 5714.		<i>opina</i> Grote, 1287.
<i>olympus</i> Edwards, 258.		<i>opipara</i> Morrison, 1694 (Paragrotis).
<i>olynthus</i> Boisduval & Le Conte, 550.		<i>opipara</i> Hy. Edwards, 2647 (Tri-pudia).
<i>olyzonaria</i> Walker, 4005.		<i>opis</i> Edwards, 128.
<i>omaha</i> Edwards, 471.		<i>oponearia</i> Walker, 3963.
<i>omega</i> Hübner, 2486.		Oporabia
Omia	193	<i>oporaria</i> Zeller, 3568.
<i>omicron</i> Afzelius, 2525 (Autographa).		Oporinia
<i>omicron</i> Hübner, 2486 (Autographa).		Opostega
<i>omissa</i> Walsingham, 5505.		<i>oppilalis</i> Grote, 4411.
Ommatopteryx	410	<i>oppositaria</i> Guenée, 3738.
Ommatospila	379	<i>ops</i> Druce, 254.
Ommatostola	174	

Page.		Page.
	<i>optimata</i> Strecker, 3346.	
	<i>opulenta</i> Hy. Edwards, 904.	
	<i>opuscularia</i> Hulst, 3811.	
	<i>oratusalis</i> Walker, 4436.	
	<i>oratalis</i> Hulst, 4385.	
	<i>orba</i> Grote, 2640.	
	<i>orbica</i> Morrison, 2553.	
	<i>orbicularis</i> Walker, 1103 (Caradrina).	
	<i>orbicularis</i> Smith, 1683 (Paragrotis).	
	<i>orbiculata</i> Smith, 1920.	
	<i>orbimaculella</i> Chambers, 5477.	
	<i>orbis</i> Grote, 1396.	
	<i>orbitalis</i> Felder, 4352.	
	<i>orbitulus</i> Strecker, 424 (Agriades).	
	<i>orbitulus</i> Scudder, 410 (Cupido).	
	<i>orc</i> Strecker, 4144.	
	Orchemia 495	
	<i>orciferalis</i> Walker, 3035.	
	<i>orciferata</i> Walker, 3891.	
	<i>orcus</i> Cramer, 652.	
	<i>ordinaria</i> Walker, 3757 (Apæcasia).	
	<i>ordinaria</i> Walker, 1232 (Hadena).	
	<i>ordinata</i> Walker, 1649 (Paragrotis).	
	<i>ordinata</i> Walker, 3647 (Scia-graphia).	
	<i>ordinata</i> Walker, 3491 (Synelys).	
	<i>ordinatellus</i> Walker, 5477.	
	<i>oreadella</i> Hulst, 4549.	
	Oreana 423	
	<i>orens</i> Edwards, 213.	
	<i>oreasella</i> Clemens, 6455.	
	<i>oregona</i> Smith, 1985 (Heliophila).	
	<i>oregona</i> Hy. Edwards, 2397 (Melanoporphyrina).	
	<i>oregonana</i> Walsingham, 5211.	
	<i>oregonella</i> Walsingham, 6486 (Incurvaria).	
	<i>oregonella</i> Busck, 6518 (Tinea).	
	<i>oregonensis</i> Stretch, 911 (Euchætias).	
	<i>oregonensis</i> Walsingham, 6309 (Lithocolletes).	
	<i>oregonensis</i> Butler, 3123 (Nadata).	
	<i>oregonensis</i> Harvey, 2101 (Xylina).	
	<i>oregonia</i> Edwards, 487 (Erynnis).	
	<i>oregonia</i> Edwards, 17 (Papilio).	
	<i>oregonica</i> Grote, 1801 (Mamestra).	
	<i>oregonicus</i> Grote, 4599 (Crambus).	
	<i>orella</i> Dietz, 5563.	
	<i>oreodaphne</i> Hy. Edwards, 706.	
	<i>orestes</i> Lintner, 592.	
	Oreta 264	
	<i>orgyia</i> Grote, 2626.	
	<i>orichalcella</i> Clemens, 6086.	
	<i>orientalis</i> Moore, 904 (Arctia).	
	<i>orientalis</i> Grote, 2213 (Tapinostola).	
	<i>orillata</i> Walker, 3662.	
	<i>orilliana</i> Grote, 1437.	
	<i>orina</i> Guenée, 2259.	
	<i>orion</i> Fabricius, 253.	
	<i>oriunda</i> Grote, 2098.	
	<i>orizaba</i> Westwood, 737.	
	<i>orleansella</i> Chambers, 6519.	
	<i>ornata</i> Neumoegen, 2435 (Acherdoa).	
	<i>ornata</i> Packard, 881 (Apantesia).	
	<i>ornata</i> Grote & Robinson, 3092 (Melalopha).	
	<i>ornata</i> Ottolengui, 2471 (Panchrysia).	
	<i>ornata</i> Hulst, 3276 (Tephroclystis).	
	<i>ornatalis</i> Duponchel, 4280.	
	<i>ornatella</i> Chambers, 6265 (Lithocolletes).	
	<i>ornatella</i> Dietz, 5943 (Pigritia).	
	<i>ornatifimbriella</i> Clemens, 5818.	
	<i>ornatrix</i> Linnæus, 837.	
	Orneodes 448	
	Orneodidæ 448	
	<i>ornithogalli</i> Guenée, 1300.	
	Ornix 561	
	<i>oro</i> Scudder, 420.	
	Orobena 380	
	<i>orobia</i> Harvey, 2015.	
	<i>oronella</i> Walsingham, 5563.	
	<i>orono</i> Scudder, 556.	
	<i>orphisalis</i> Walker, 4426.	
	<i>orphnealis</i> Walker, 4306.	
	Orrhodia 181	
	<i>orua</i> Boisduval, 194.	
	<i>orseis</i> Edwards, 191.	
	<i>orsua</i> Godman & Salvin, 24.	
	<i>orthocarpus</i> Walsingham, 4945 (Platyptilia).	
	<i>orthocarpus</i> Hy. Edwards, 4241 (Sesia).	
	Orthodes 164	
	Orthofidonia 304	
	<i>orthogonia</i> Morrison, 1560.	
	Ortholepis 422	
	Ortholitha 288	
	Ortholophus 579	
	Orthonana 273	
	Orthosia 179	

	Page.		Page
<i>orthosioides</i> Guenée, 2915.		<i>orulalis</i> Guenée, 4297.	
<i>ortonii</i> Packard, 1467.		<i>oweni</i> Edwards, 103.	
<i>orythia</i> Smith & Abbot, 223.		<i>oxalina</i> Hübner, 2258.	
<i>oryzaellus</i> Riley, 4628.		<i>oxilus</i> Hübner, 14.	
Osceola	441	<i>oryacanthus</i> Hübner, 5359.	
<i>osceola</i> Lintner, 529.		<i>oxybaphi</i> Clemens, 671.	
<i>oscitalis</i> Grote, 4412.		Oxyonemis	184
<i>osculata</i> Hulst, 2865 (<i>Catocala</i>).		<i>oxycoccana</i> Packard, 5318.	
<i>osculata</i> Hulst, 3368 (<i>Enchoria</i>).		<i>oxydalis</i> Guenée, 4423.	
<i>oslari</i> Skinner, 536 (<i>Euphyes</i>).		Oxydia	345
<i>oslari</i> Barnes, 3188 (<i>Notolophus</i>).		<i>oxygala</i> Grote, 1959.	
<i>osmundana</i> Fernald, 5043.		<i>oxygramma</i> Geyer, 2498 (<i>Auto-</i>	
<i>osseana</i> Scopoli, 5409.		<i>grapha</i>).	
<i>osseella</i> Walsingham, 5840.		<i>oxygramma</i> Hulst, 3420 (<i>Cæno-</i>	
<i>ossianus</i> Boisduval, 134.		<i>calpe</i>).	
<i>ossularia</i> Hübner, 3530.		Oxylos	186
<i>ossulata</i> Packard, 3530.		<i>oxymorus</i> Grote, 1879.	
<i>ostensackenella</i> Fitch, 6265.		Oxyptilus	441
<i>ostenta</i> Hy. Edwards, 830.		Ozonadia	81
<i>ostentaria</i> Walker, 3514.		<i>pacalis</i> Grote, 4487 (<i>Nymphula</i>).	
<i>ostreella</i> Ragonot, 4904.		<i>pacalis</i> Walker, 2935 (<i>Poaphila</i>).	
<i>ostreonalis</i> Grote, 4323.		Pachnobia	131
<i>ostricorella</i> Hulst, 4829.		Pachylia	65
<i>ostrinella</i> Clemens, 4886.		Pachypolia	119
<i>ostryæ</i> Clemens, 6037.		Pachyzancla	382
<i>ostryælla</i> Chambers, 6132.		<i>pacifica</i> Hy. Edwards, 1083 (<i>Acopa</i>).	
<i>ostryæfoliella</i> Clemens, 6143 (<i>Cop-</i>		<i>pacifica</i> Hy. Edwards, 4189 (<i>Ae-</i>	
<i>todisca</i>).		<i>geria</i>).	
<i>ostryæfoliella</i> Clemens, 6275 (<i>Litho-</i>		<i>pacifica</i> Smith, 978 (<i>Apatela</i>).	
<i>colletes</i>).		<i>pacifica</i> Smith, 2162 (<i>Gortyna</i>).	
<i>ostryæfoliella</i> Clemens, 6208 (<i>Nepti-</i>		<i>pacifica</i> Harvey, 2039 (<i>Graphi-</i>	
<i>cula</i>).		<i>phora</i>).	
<i>ostryella</i> Chambers, 6335.		<i>pacifica</i> Behr, 3111 (<i>Hyperæschra</i>).	
<i>osyka</i> Edwards, 531.		<i>pacifica</i> Riley, 4195 (<i>Sanninoidea</i>).	
<i>otho</i> Barnes, 926 (<i>Halisidota</i>).		<i>pacificana</i> Clemens, 5263.	
<i>otho</i> Smith & Abbot, 519 (<i>Thymeli-</i>		<i>pacificaria</i> Packard, 3626 (<i>Deilinia</i>).	
<i>cus</i>).		<i>pacificaria</i> Packard, 3550 (<i>Fois</i>).	
<i>otiosa</i> Neumoegen & Dyar, 875.		<i>packardaria</i> Hulst, 3826 (<i>Ætha-</i>	
<i>otiosana</i> Clemens, 5142.		<i>lodes</i>).	
<i>ottoe</i> Edwards, 491.		<i>packardaria</i> Grote, 3589 (<i>Aplodes</i>).	
<i>ottolenguii</i> Dyar, 2513.		<i>packardaria</i> Möschler, 3707 (<i>Maca-</i>	
<i>ou</i> Guenée, 2493.		<i>ria</i>).	
<i>outis</i> Skinner, 595.		<i>packardata</i> Lintner, 3350.	
<i>ouweh</i> Poling, 2898.		<i>packardella</i> Chambers, 6245 (<i>Buc-</i>	
<i>ovalis</i> Guenée, 2537 (<i>Abrostola</i>).		<i>culatrix</i>).	
<i>ovalis</i> Packard, 4734 (<i>Ambesa</i>).		<i>packardella</i> Chambers, 5732 (<i>Gele-</i>	
<i>ovalis</i> Grote, 2942 (<i>Phurys</i>).		<i>chia</i>).	
<i>ovata</i> Grote, 1025.		<i>packardella</i> Chambers, 6372 (<i>Gra-</i>	
<i>ovidius</i> Scudder & Burgess, 628.		<i>cilaria</i>).	
<i>oviducta</i> Grote, 2015.		<i>packardella</i> Clemens, 5893 (<i>Semios-</i>	
<i>ovilla</i> Grote, 4053.		<i>copis</i>).	
<i>oviplagalis</i> Walker, 4528.		<i>packardi</i> Zeller, 5282 (<i>Enarmonia</i>).	

	Page.		Page.
Packardia	357	<i>pallicornella</i> Ragonot, 4667.	
<i>packardiana</i> Clemens, 5127 (Eu- cosma).		<i>pallida</i> Bowles, 771 (Anisota).	
<i>packardiana</i> Fernald, 5407 (Tor- trix).		<i>pallida</i> Ottolengui, 2523 (Auto- grapha).	
<i>packardiella</i> Ragonot, 4823.		<i>pallida</i> Packard, 800 (Crambidia).	
<i>packardii</i> Schaupp, 851 (Estig- mene).		<i>pallida</i> Smith, 1066 (Cyathisa).	
<i>packardii</i> Morrison, 3126 (Hippia).		<i>pallida</i> Hulet, 3535 (Eois).	
<i>packardii</i> Grote, 821 (Illice).		<i>pallida</i> Cockerell 70 (Euryinus).	
<i>packardii</i> Saunders, 189 (Phy- ciodes).		<i>pallida</i> Lyman, 69 (Euryinus).	
<i>packardii</i> Grote, 788 (Scepsis).		<i>pallida</i> Skinner & Mengel, 63 (Eu- ryinus).	
<i>packardii</i> Grote, 2358 (Schinia).		<i>pallida</i> Packard, 855 (Hyphantria).	
<i>pacuvius</i> Lintner, 631.		<i>pallida</i> Strecker, 3147 (Ilanassa).	
Pæotes	203	<i>pallida</i> Edwards, 192 (Phyciodes).	
<i>pachyria</i> Dyar, 3965.		<i>pallida</i> Scudder, 38 (Pontia).	
Pædisca	455	<i>pallida</i> Herrich-Schaeffer, 4107 (Tortricidia)	
<i>pænulata</i> Clemens, 4077.		<i>pallidata</i> Packard, 3652.	
<i>pænulataria</i> Grote, 3872.		<i>pallidestari</i> Goeze, 54.	
<i>pagenstecheri</i> Mönchler, 2723.		<i>pallidegrassella</i> Chambers, 5819.	
<i>paginata</i> Morrison, 1142.		<i>pallidella</i> Chambers, 5550.	
Palada	191	<i>palliderosucella</i> Chambers, 5558.	
<i>palemon</i> Pallas, 469.		<i>pallidice</i> Scudder, 66.	
<i>paleo</i> Cramer, 66 (Euryinus).		<i>pallidicollis</i> Grote, 1506.	
<i>paleo</i> Linneus, 74 (Euryinus).		<i>pallidicoma</i> Grote, 1037.	
<i>palamedes</i> Drury 12.		<i>pallidicostana</i> Walsingham, 5180.	
<i>palata</i> Grote, 963.		<i>pallidior</i> Dyar, 805 (Palpida).	
Palatka	433	<i>pallidior</i> Smith, 1904 (Xylomiges).	
<i>palatka</i> Edwards, 561.		<i>pallidipennata</i> Hulet, 4903.1.	
<i>paleneca</i> Esper, 2217 (Cosmia).		<i>pallidistrigella</i> Chambers, 5541.	
<i>paleaceus</i> Zeller, 4973 (Pteropho- rus).		<i>pallidochrella</i> Chambers, 5626 (Gnorimoschema).	
Paleocrita	206	<i>pallidochrella</i> Chambers, 5592 (He- ice).	
<i>paleogama</i> Guenée, 2873.		<i>pallidotinctella</i> Dietz, 5949	
<i>pales</i> Denis & Schiffermüller, 132 (Brenthis).		<i>pallidula</i> Hulet, 3729 (Cymatopho- ra).	
<i>pales</i> Felder, 310 (Lycorea).		<i>pallidulus</i> Hy. Edwards, 730 (Sinc- rinthus).	
<i>palida</i> Comstock, 4842.		<i>pallifera</i> Grote, 1264.	
<i>pallidochrella</i> Chambers, 5592.		<i>palligera</i> Grote, 2470 (Panchrysis).	
<i>palilia</i> Harvey 2022.		<i>palligera</i> Smith, 3053 (Tetanolita).	
Palindia	233	<i>pallimedin</i> Smith 1388.	
<i>palla</i> Boisduval, 164 (Lemonias).		<i>palliolella</i> Ragonot, 4685.	
<i>palla</i> French, 3094 (Melalopha).		<i>pallipalpis</i> Walker, 5662.	
Pallachira	242	<i>pallipennis</i> Smith, 1672.	
<i>pallens</i> Tepper, 2293 (Ædophron).		<i>pallivaca</i> Smith 988.	
<i>pallens</i> Strecker 734 (Cressonia).		<i>pallorana</i> Robinson, 5396.	
<i>pallens</i> Hy. Edwards, 787 (Scepsis).		<i>pallula</i> Hy. Edwards, 969.	
<i>pallascens</i> Smith, 2168 (Gortyna).		<i>pallulata</i> Hulet, 3976.	
<i>pallascens</i> Grote & Robinson, 2768 (Meliopotis).		<i>pallulella</i> Hulet, 4832.	
<i>pallialis</i> Zeller, 3066.		<i>palmieri</i> Packard, 790 (Lycomor- pha).	
<i>palliatricula</i> Guenée, 1067.			

	Page.		Page.
<i>palmerii</i> Edwards, 318 (<i>Polystigma</i>).		Pantographa	377
Palmia	366	Panula	221
<i>palmerii</i> Beutenmüller, 3103 (<i>Datana</i>).		Paonias	71
<i>palmerii</i> Hy. Edwards, 4182 (<i>Memythrus</i>).		Paota	290
<i>palmerii</i> Neumoegen, 4260 (<i>Paranthrene</i>).		Papaipema	175
<i>palpalis</i> Haworth, 3079 (<i>Bomolocha</i>).		<i>paphia</i> Linnæus, 748.	
<i>palpalis</i> Grote, 653 (<i>Hemaris</i>).		Papilio	2
<i>palpalis</i> Walker, 1118 (<i>Perigea</i>).		Papilionidæ	2
<i>palpana</i> Walsingham, 5112.		Papilionoidea	1
Palparia	404	Parachma	400
<i>palpata</i> Packard, 3272.		Paradosis	378
<i>palpialbella</i> Chambers, 5820.		<i>paradora</i> Behr, 3162 (<i>Harpyia</i>).	
<i>palpialiella</i> Riley, 5820.		<i>paradora</i> Riley, 6576 (<i>Pronuba</i>).	
<i>palpiannulella</i> Chambers, 5585.		<i>paradoxica</i> Chambers, 6564.	
Palpidia	79	<i>paradoxum</i> Frey & Boll, 6397 (<i>Corsicum</i>).	
<i>palpilineella</i> Chambers, 5696.		<i>paradoxus</i> Grote, 2298 (<i>Heliocheilus</i>).	
Palthis	245	Parædis	380
Paltodora	495	Paragrotis	140
<i>paltodoriella</i> Busck, 5708.		Paralechia	502
<i>paludana</i> Robinson, 5368.		Paralipsa	413
<i>paludata</i> Thunberg, 3259.		<i>parallela</i> Grote, 1017 (<i>Apatela</i>).	
Palyadinæ	348	<i>parallela</i> Robinson, 5362 (<i>Archips</i>).	
Palyas	348	<i>parallela</i> Panzer, 5500 (<i>Cerostoma</i>).	
<i>pamina</i> Neumoegen, 751.		<i>parallela</i> Hy. Edwards, 4096 (<i>Cochlidion</i>).	
Pammene	471	<i>parallela</i> Grote & Robinson, 3193 (<i>Olene</i>).	
Pamphila	48	<i>parallela</i> Grote, 1995 (<i>Trichorthosia</i>).	
<i>pamphilius</i> Linnæus, 283.		<i>parallelana</i> Walsingham, 5447.	
<i>pamphiloides</i> Reakirt, 283.		<i>parallelaria</i> Packard, 3978.	
<i>pampina</i> Guenée, 2206.		Parallelia	233
<i>pampinaria</i> Guenée, 3850.		<i>paralleliaria</i> Packard, 3978.	
<i>pampinatrix</i> Smith & Abbot, 682.		Paranthrene	371
<i>pan</i> Harris, 335.		Paraphia	321
Panapoda	233	Paraponyx	395
Panchrysia	198	Paraptera	266
<i>pandaria</i> Walker, 4008.		Parasemia	91
Pandemis	482	Parastichtis	180
<i>pandora</i> Blake, 755.		<i>pardalis</i> Behr, 408 (<i>Cupido</i>).	
<i>pandorus</i> Hübner, 678.		<i>pardalis</i> Grote, 2708 (<i>Spragueia</i>).	
<i>panella</i> Busck, 5774.		<i>pardella</i> Walsingham, 6621.	
Pangrapta	217	Paractopa	557
<i>panicifoliella</i> Clemens, 6128.		Parennomos	318
<i>panisaria</i> Walker, 3910.		<i>parentalis</i> Grote, 1751.	
<i>paniscus</i> Fabricius, 469.		Parharmonia	366
<i>pannaria</i> Guenée, 3485.		<i>parilis</i> Hübner, 2532.	
<i>panopealis</i> Walker, 4448.		<i>parinotata</i> Zeller, 3424.	
<i>panoquin</i> Scudder, 546.		<i>parisiana</i> Guenée, 5303.	
<i>panoquinoides</i> Skinner, 547.		<i>parmatana</i> Clemens, 5283.	
Panthea	98	<i>parmeliana</i> Hy. Edwards, 2340.	

	Page.		Page.
Parnasiidae	1	<i>patula</i> Walker, 1557 (Porosagrotis).	
Parnassius	1	<i>pauciguttellus</i> Clemens, 5678.	
Parora	218	<i>paulella</i> Busck, 5730.	
<i>parta</i> Guenée, 2857.		<i>paulina</i> Hy. Edwards, 2810.	
<i>parthenice</i> Kirby, 878.		<i>paulus</i> Edwards, 262.	
<i>parthenos</i> Harris, 872.		<i>paupera</i> Felder, 201.	
<i>participalis</i> Grote, 4532.		<i>paupercula</i> Grote, 1011.	
<i>particolor</i> Hulst, 3712.		<i>pausis</i> Smith, 1184.	
<i>partita</i> Guenée, 2618.		<i>pauxillus</i> Grote, 2404.	
<i>partitaria</i> Grote, 3601.		<i>parix</i> Behr, 1154.	
<i>parvana</i> Walsingham, 5192.		<i>paritensis</i> Morrison, 2777.	
<i>parvicristatella</i> Chambers, 6164.		<i>paronacella</i> Clemens, 5532.	
<i>parvinacula</i> Grote, 2604.		<i>paronia</i> Geyer, 731.	
<i>parvinaculana</i> Walsingham, 5460.		<i>parnee</i> Dodge, 490.	
<i>parvipulvella</i> Chambers, 6087 (Elachista).		<i>peartix</i> Edwards, 295.	
<i>parvipulvella</i> Chambers, 5821 (Gelechia).		<i>peckius</i> Kirby, 526.	
<i>parrula</i> Edwards, 2906 (Catocala).		<i>pectenatælla</i> Chambers, 5642.	
<i>parrula</i> Neumoegen & Dyar, 829 (Eubaphe).		<i>pectinaria</i> Schiffermüller, 3965.	
<i>parvula</i> Walker, 2700 (Fruva).		<i>pectinata</i> Smith, 2019 (Graphiphora).	
<i>parrula</i> Hy. Edwards, 5483 (Trichostibas).		<i>pectinata</i> Grote, 1431 (Pachnobia).	
<i>parrularia</i> Hulst, 3518.		<i>pectinatus</i> Smith, 1951 (Nephelodes).	
<i>parvus</i> Walsingham, 4976.		<i>pectinicornis</i> Smith, 2563 (Eucalyptera).	
<i>puscuellus</i> Linnæus, 4563.		<i>pectinicornis</i> Smith, 1541 (Feltia).	
<i>pusiphæia</i> Grote, 2520.		<i>pectinifer</i> Zeller, 4616.	
<i>passa</i> Morrison, 1811.		<i>peculiana</i> Zeller, 5300.	
Passadena	425	<i>pedalis</i> Grote, 2495 (Autographa).	
<i>pusser</i> Guenée, 1212.		<i>pedalis</i> Smith, 1675 (Paragrotis).	
<i>passerana</i> Walsingham, 5114.		<i>pedicillata</i> Hulst, 3857.	
<i>pusseraria</i> Freyer, 3380.		<i>pedipilalis</i> Guenée, 3020.	
<i>passifloræ</i> Fabricius, 91.		<i>pedmontella</i> Chambers, 6466 (Argyresthia).	
<i>passulella</i> Barrett, 4875.		<i>pedmontella</i> Chambers, 5629 (Gnortimoschema).	
<i>pastillicans</i> Grote, 2251.		<i>pegula</i> Fabricius, 257.	
<i>pastinacella</i> Duponchel, 5889.		<i>pegasalis</i> Walker, 4636.	
<i>pastor</i> Felder, 638.		<i>pegula</i> Herbst, 257.	
<i>pastoralis</i> Grote, 1601 (Paragrotis).		<i>pelasgus</i> Cramer, 656.	
<i>pastoralis</i> Grote, 3048 (Renia).		<i>peleus</i> Sulzer, 234.	
Patalene	344	<i>pelidne</i> Boisduval, 73.	
<i>patalis</i> Grote, 1900.		<i>pellenis</i> Godart, 235.	
<i>patefacta</i> Smith, 1492 (Noctua).		<i>pellionella</i> Linnaeus, 6520.	
<i>patefacta</i> Walker, 2089 (Xylina).		<i>pellucida</i> Herrich-Schæffer, 770.	
<i>patella</i> Druce, 817.		<i>pellucidalis</i> Grote, 1469.	
<i>patibilis</i> Walker, 2754.		<i>pellucidaria</i> Packard, 3780 (Nepytia).	
<i>patina</i> Harvey, 1162.		<i>pellucidaria</i> Grote & Robinson, 3907 (Therina).	
Patissa	401	<i>pelviculella</i> Hulst, 4888.	
<i>patricia</i> Grote, 1992.		<i>pembina</i> Edwards, 411 (Cupido).	
<i>patriciata</i> Grote, 3785.		<i>pembina</i> Strecker, 419 (Nomiades).	
Patridiva	323	<i>pendula</i> Ottolengui, 2440.	
<i>patruelis</i> Grote, 2636.			
<i>patula</i> Morrison, 2636 (Eumestleta).			

	Page.		Page.
Phætusa	500	<i>phlogophagus</i> Grote & Robinson,	
Phakellura	378	2101.	
<i>phalaenalis</i> Grote, 2578.		<i>phlogosaria</i> Guenée, 3931.	
Phalænostola	217	Phlyctænia	387
<i>phalanga</i> Grote, 2873.		Phlyctænodes	382
<i>phalerata</i> Harris, 895.		Phoberia	232
<i>phalerosalis</i> Walker, 3048.		Phobetron	356
Phalonia	486	<i>phoca</i> Möschler, 1915.	
Phaloniinæ	486	<i>phocata</i> Möschler, 3443.	
<i>phantasmalis</i> Guenée, 4314.		<i>phocion</i> Fabricius, 298.	
<i>phantasmaria</i> Strecker, 3782.		<i>phocus</i> Edwards, 263.	
<i>phaon</i> Edwards, 188.		<i>phæbe</i> Hy. Edwards, 2886.	
Pharetra	99	Phœbis	8
Pharmacis	488	<i>pharnicealis</i> Hübner, 4448.	
<i>pharos</i> Harris, 189.		Pholisora	58
<i>phasianaria</i> Guenée, 4007.		Pholus	65
<i>phasma</i> Harvey, 843.		<i>pholus</i> Drury, 792.	
Phasyle	282	Phoxopteris	466
Phegoptera	96	<i>phrada</i> Druce, 826.	
Phengommataæa	319	<i>phragmatidicola</i> Guenée, 1980.	
Pheocyma	238	Phragmatobia	86
Pheosia	251	<i>phragmitella</i> Stainton, 6096.	
<i>pherecydes</i> Cramer, 252.		<i>phrasiualis</i> Walker, 4275.	
<i>pheres</i> Boisduval, 412.		Phryganeopsis	573
Pherne	342	Phryganidia	249
Phibalapteryx	273	Phrygionis	349
Phigalia	330, 544	<i>phrynia</i> Hy. Edwards, 2826.	
<i>phigaliaria</i> Guenée, 3872.		Phtheochroa	488
Philagraula	350	Phthorimaea	502
<i>philea</i> Linnaeus, 51.		Phthoroblastis	471
<i>philealis</i> Walker, 4344.		Phurys	235
Philedia	320	Phycanassa	55
<i>philemon</i> Boisduval, 437.		Phycidea	434
<i>philenor</i> Linnaeus, 23.		Phyciodes	20
Philereme	276	Phycitinæ	417
<i>phileros</i> Boisduval, 413.		Phycitopsis	420
<i>phileta</i> Fabricius, 32.		Phylace	277
<i>philetas</i> Edwards, 645.		<i>phylace</i> Edwards, 563 (<i>Limoch-</i>	
Philobia	309	roes).	
<i>philodice</i> Godart, 66.		<i>phylarus</i> Drury, 515.	
<i>philodina</i> Druce, 817.		<i>phylla</i> Dyar, 4055.	
Philometra	243	<i>phyllinaria</i> Zeller, 3562.	
Philonome	563	<i>phyllira</i> Drury, 890.	
<i>philonomene</i> Hübner, 74.		<i>phyllisalis</i> Walker, 4424.	
Philopsia	268	Phyllocnistis	563
Philorygia	99	<i>phyllophora</i> Grote, 1484.	
Philosamia	71	<i>physaliella</i> Chambers, 5587.	
Philotes	43	<i>physalivorella</i> Chambers, 5638.	
Philtræa	331	<i>phytolaccæ</i> Smith & Abbot, 1301.	
Phiprosopus	207	<i>piasus</i> Boisduval, 440.	
<i>phleas</i> Boisduval & Le Conte, 399.		<i>piatrix</i> Grote, 2868.	
<i>phlebeculata</i> Guenée, 3422.		<i>pica</i> Walsingham, 4936.	
Phlegethontius	67	<i>picina</i> Grote, 1337.	

	Page.		Page.
<i>picta</i> Packard, 857 (Arachnis).		Pityolita	241
<i>picta</i> Felder, 3134 (Heterocampa).		Pitys	574
<i>picta</i> Harris, 1807 (Mamestra).		<i>placuta</i> Grote, 2936.	
<i>picta</i> Edwards, 195 (Phyciodes).		<i>placearia</i> Guenée, 3980.	
<i>picta</i> Walker, 766 (Pseudohazis).		<i>placentia</i> Smith & Abbot, 893.	
<i>pictipennata</i> Hulst, 3670.		<i>placida</i> Dyar, 3162 (Harpyia).	
<i>pictipennis</i> Grote, 2416.		<i>placida</i> Grote, 1395 (Rhyncha-	
<i>pictipes</i> Grote & Robinson, 4216.		grotis).	
Pieridæ	4	<i>placidana</i> Robinson, 5303.	
Piesmopoda	420	<i>placidaria</i> Guenée, 3517.	
<i>piger</i> Dyar, 6597.		<i>placidata</i> Walker, 3419.	
Pigia	291	<i>plagiata</i> Walker, 1302 (Laphygma).	
<i>pigrata</i> Walker, 3370.		<i>plagiata</i> Walker, 1478 (Noctua).	
Pigritia	526	<i>plagiata</i> Walker, 3195 (Olene).	
<i>pilalis</i> Hulst, 4431.		<i>plagiata</i> Walker, 3125.1 (Symmer-	
<i>pilipalpis</i> Guenée, 1955.		ista).	
<i>pillariana</i> Schiffermüller, 5345.		<i>plagiatus</i> Walker, 4147 (Prionox-	
Pilocrocis	375	ystus).	
<i>pilosaria</i> Packard, 3944.		<i>plagifusciata</i> Walker, 3898.	
<i>pilosella</i> Zeller, 6113.		<i>plagigera</i> Morrison, 1579.	
<i>pilumnus</i> Boisduval, 7.		Plagiola	203
Pima	427	Plagiomimicus	197
<i>pima</i> Edwards, 50.		Plagodis	336
<i>pimpinella</i> Murtfeldt, 6147.		<i>plagosana</i> Clemens, 5262.	
<i>pinaria</i> Packard, 3780.		<i>plana</i> Grote, 2625.	
<i>pinastiri</i> Linnæus, 1290 (Diptery-		<i>planalis</i> Grote, 2046 (Graphiphora).	
gia).		<i>planalis</i> Grote, 4522 (Herculia).	
<i>pinastiri</i> Linnæus, 708 (Sphinx).		<i>planifrons</i> Smith, 1443.	
<i>pindar</i> Smith, 1740.		<i>planipennella</i> Chambers, 6114.	
<i>pinetana</i> Hübner, 5076.		<i>plantagenaria</i> Hulst, 3515.	
<i>pinetaria</i> Hübner, 3695.		<i>plantaginis</i> Martyn, 890 (Apantesia).	
<i>pinetum</i> Lintner, 725.		<i>plantaginis</i> Linnæus, 900 (Parase-	
<i>pini</i> Kellicott, 4193.		mia).	
<i>pinitaria</i> Packard, 3765.		<i>plantaginisella</i> Chambers, 6353.	
<i>pinicolana</i> Zeller, 5229.		<i>planus</i> Grote, 1753.	
<i>pinifoliella</i> Chambers, 5614.		Platæa	319
Pinipestis	421	Platagrotis	130
<i>pinivorana</i> Zeller, 5003.		<i>platanana</i> Clemens, 5254.	
<i>pinorum</i> Behrens, 4192.		<i>platanella</i> Chambers, 5750 (Gele-	
<i>piperatella</i> Zeller, 5850.		chia).	
<i>piperis</i> Boisduval, 690.		<i>platanella</i> Clemens, 4652 (Lan-	
Pippona	184	thape).	
<i>pirus</i> Edwards, 607.		<i>platanella</i> Clemens, 6209 (Nepti-	
<i>piscipellis</i> Grote, 1501 (Noctua).		cula).	
<i>piscipellis</i> Zeller, 5548 (Paltodora).		<i>platea</i> Clemens, 6210.	
<i>pisoniæ</i> Busck, 5569.		Plathypena	247
<i>pisoniella</i> Busck, 6075.		<i>platina</i> Skinner, 114.	
<i>pistacearia</i> Packard, 3596.		<i>platinalis</i> Guenée, 4297.	
<i>pistaciata</i> Guenée, 3563.		Platæceticus	353
<i>pithecium</i> Smith & Abbot, 4089.		Platynota	481
<i>pittacus</i> Edwards, 551.		Platyperigea	109
<i>pitychrous</i> Grote, 1623.		Platypropia	
<i>pityochromus</i> Grote, 2456.		Platypterygidæ	
		Platyptilia	

	Page.		Page.
Smyrna	26	<i>somnus</i> Dodge, 2836 (Catocala).	
<i>snellenella</i> Walsingham, 5643.		<i>somnus</i> Lintner, 619 (Thanaos).	
<i>snoviana</i> Grote, 2870.		<i>somulatella</i> Riley, 6337.	
<i>snoviararia</i> Packard, 3614 (Mellilla).		<i>somulentella</i> Zeller, 6337.	
<i>snoviararia</i> Hulst, 3900 (Neoterpes).		<i>sonora</i> Scudder, 507.	
<i>snoviata</i> Packard, 3659.		<i>sonora</i> Boisduval, 167.	
<i>snovi</i> Edwards, 503 (Anthomaster).		<i>sonorensis</i> Felder, 316 (Chrysobia).	
<i>snovi</i> Grote, 893 (Apantesis).		<i>sonorensis</i> Felder, 422 (Phædrotus).	
<i>snovi</i> Hy. Edwards, 2529 (Auto- grapha).		<i>sordida</i> Grote, 2905 (Catocala).	
<i>snovi</i> Edwards, 401 (Chalceria).		<i>sordida</i> Butler, 4358 (Loxostege).	
<i>snovi</i> Grote, 2294 (Thyreion).		<i>sordida</i> Harris, 716 (Sphinx).	
Snowia	343	<i>sordida</i> Grote, 2710 (Spragueia).	
<i>snovii</i> Hy. Edwards, 4163 (Melit- tia).		<i>sordidata</i> Fabricius, 3387.	
<i>snyderi</i> Skinner, 117.		<i>sordidellus</i> Zincken, 4542.	
<i>sobria</i> Walker, 2467 (Calpe).		<i>sordidula</i> Grote, 3070.	
<i>sobria</i> Walker, 2754 (Drasteria).		<i>sordidus</i> Riley, 6571 (Prodoxus).	
<i>sobria</i> Walker, 3546 (Eois).		<i>sordidus</i> Smith, 2350 (Schinia).	
<i>sobria</i> Walker, 3143 (Misogada).		<i>sorghella</i> Riley, 4048.	
<i>sobria</i> Walker, 1950 (Nephelodes).		<i>soror</i> Smith, 1520.	
<i>sobriialis</i> Walker, 3044.		<i>sororaria</i> Herrich-Schaeffer, 3259.	
<i>sobrina</i> Stretch, 930.		<i>sororculella</i> Dyar, 5525.	
<i>socia</i> Behr, 2787.		<i>sororiata</i> Hübner, 3259.	
<i>socialis</i> Grote, 4445 (Pyrausta).		<i>sororius</i> Hy. Edwards, 763.	
<i>socialis</i> Feisthamel, 754 (Thauma).		<i>sosybius</i> Fabricius, 301.	
<i>sociata</i> Borkhausen, 3361.		<i>souhegan</i> Whitney, 339.	
<i>sociella</i> Linnæus, 4636.6.		<i>spadacella</i> Zincken, 4776.	
<i>socius</i> Butler & Druce, 574.		<i>spadaria</i> Guenée, 2572.	
<i>sodalis</i> Walker, 4520.		<i>spadicearia</i> Denis & Schiffermüller, 3458.	
<i>sofia</i> Strecker, 274.		<i>spadix</i> Cramer, 2743 (Cissura).	
<i>solamata</i> Hulst, 3640.		<i>spadix</i> Hy. Edwards, 351 (Thecla).	
<i>solanella</i> Boisduval, 5616.		Spanista	373
<i>solaniella</i> Chambers, 5617.		Spargaloma	218
Solenobia	353	Sparganthis	477
<i>solenobiella</i> Walsingham, 6485.		<i>sparsaria</i> Walker, 3552.	
<i>sofataria</i> Guenée, 3902.		<i>sparsicella</i> Chambers, 5844.	
<i>solictana</i> Walker, 5127.		<i>sparsiciliella</i> Clemens, 5844.	
<i>solida</i> Ottolengui, 2484.		<i>sparsimacula</i> Hulst, 3396.	
<i>solidaginifoliella</i> Clemens, 6440.		<i>sparsipulvella</i> Chambers, 6044.	
<i>solidaginis</i> Walsingham, 5858 (De- pressaria).		<i>spartiella</i> Bond, 4807.	
<i>solidaginis</i> Frey & Boll, 6298 (Litho- colletes).		<i>spatiosaria</i> Walker, 3862.	
<i>solidaginis</i> Behr, 2142 (Rancora).		<i>specialis</i> Grote, 1567.	
<i>solidaginisella</i> Chambers, 6298.		<i>specifica</i> Dyar, 3096.	
<i>solitaria</i> Walker, 3700 (Cymatopho- ra).		<i>speciosa</i> Möschler, 875 (Apantesis).	
<i>solitaria</i> Smith, 1717 (Paragrotis).		<i>speciosa</i> Ottolengui, 2526 (Auto- grapha).	
<i>solitudo</i> Hy. Edwards, 4168.		<i>speciosa</i> Hulst, 3739.1 (Cymatopho- ra).	
Somatolophia	322	<i>speciosa</i> Hulst, 3358 (Neolexia).	
<i>sommeri</i> Lefèvre, 1234.		<i>speciosa</i> Hulst, 3246 (Paleacrita).	
<i>somniaria</i> Hulst, 3911.		<i>speciosa</i> Hy. Edwards, 422 (Phæ- drotus).	
		<i>speciosa</i> Hübner, 1417 (Platagrotis).	

Page.		Page.
	<i>speciosa</i> Morrison, 1263 (Polia).	<i>spraguei</i> Grote, 2354 (Schinia).
	<i>speciosa</i> Walker, 836 (Utetheisa).	Spragueia 215
	<i>speciosata</i> Packard, 3392.	<i>spretella</i> Smith, 1515.
	<i>speciosella</i> Hulst, 4651.	<i>spretella</i> Zeller, 6503.
	<i>speciosissima</i> Grote & Robinson, 2173.	<i>spumorum</i> Grote, 3452.
	<i>spectanda</i> Strecker, 2296 (Chloridea).	<i>spuraria</i> Christoph, 3511.
	<i>spectanda</i> Smith, 1709 (Paragrotis).	<i>spurcata</i> Walker, 2222.
	<i>spectans</i> Walker, 1009.	<i>sputatrix</i> Grote, 1227.
	<i>speculella</i> Clemens, 6418.	<i>squamealis</i> Grote, 4520.
	<i>speculifera</i> Sepp, 4136.	<i>squamigera</i> Felder, 4030.
	Speranza 311	<i>squamulellus</i> Zeller, 4630.
	<i>sperata</i> Grote, 1029.	<i>s-signata</i> Packard, 3669.
	<i>sperataria</i> Walker, 3867.	<i>stabilata</i> Walker, 3700.
	<i>speyeri</i> Lintner, 2131.	<i>stabilis</i> Smith, 1317.
	Speyeria 13	<i>stachydama</i> Herrich-Schaeffer, 5435.
	Sphæcelodes 349	<i>staintonella</i> Clemens, 6337 (Bedellia).
	Sphæcelodinae 349	<i>staintonella</i> Chambers, 6249 (Bucculatrix).
	<i>sphaeromacaria</i> Harvey, 3759.	<i>staintonella</i> Chambers, 6090 (Elachista).
	Sphécodes 305	<i>stalachtaria</i> Strecker, 3602.
	Sphécodina 64	Stammodes 285
	Sphida 174	Staphylus 59
	Sphingidæ 62	<i>statialis</i> Grote, 4530.
	Sphingoidea 62	Statina 440
	Sphinx 68	<i>statira</i> Cramer, 53.
	<i>spiculana</i> Zeller, 5176.	<i>staudingeri</i> Möschler, 1765.
	<i>spiculosa</i> Grote, 1831.	Staudingeria 432
	Spilodes 382	<i>staurata</i> Stephens, 3379.
	Spiloloma 236	Steganolophia 277
	<i>spilomela</i> Walker, 1104.	<i>stella</i> Edwards, 49.
	Spilosoma (= Diacrisia).	<i>stellaris</i> Grote, 1412.
	<i>spinataria</i> Packard, 3742.	<i>stellata</i> Walker, 2304 (Derrima).
	<i>spinea</i> Grote, 1052.	<i>stellata</i> Hulst, 3307 (Tephroclystis).
	<i>spinetorum</i> Boisduval, 358.	<i>stellidaria</i> Guenée, 4030.
	<i>spinigera</i> Guenée, 1001.	Stenaspilates 343
	<i>spinosa</i> Guenée, 2322.	<i>stencles</i> Linnaeus, 225.
	<i>spinuloides</i> Herrich-Schaeffer, 4085.	<i>stenialis</i> Guenée, 4304.
	<i>spireæfoliana</i> Clemens, 5246.	Stenoma 518
	<i>spissa</i> Guenée, 1649.	Stenophyes 381
	<i>spissicornis</i> Haworth, 6010.	<i>stenopteralis</i> Grote, 4468.
	<i>splendoriferella</i> Clemens, 6145.	Stenoptilia 447
	<i>spododea</i> Hulst, 3791.	Stenoptycha 430
	Spodolepis 322	Stenotrachelys 322
	Spodoptera 322	Stenurges 378
	<i>spodopterata</i> Hulst, 3663.	<i>stercorana</i> Zeller, 5165.
	Spoladea 372	Stergammataea 332
	<i>spoliana</i> Clemens, 5214.	<i>sternipennella</i> Zeller, 6006.
	<i>spoliata</i> Walker, 1889.	<i>sterope</i> Edwards, 161.
	<i>spoliatella</i> Dietz, 5946.	Sterrhinæ 291
	<i>sponsa</i> Smith, 1589.	<i>stewarti</i> Grote, 1292.
	<i>sponsata</i> Grote, 3431.	<i>sthenide</i> Boisduval, 265.
	<i>spraguei</i> Grote, 917 (Pygarcia).	



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